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Enumeration and Bit-encoded Values for use with IEEE 1278.1-1994, Distributed Interactive Simulation--Application Protocols

Institute for Simulation and Training
3280 Progress Drive
Orlando FL 32826

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Division of Sponsored Research

IST-CR-93-46

Enumeration and Bit-encoded Values for use with

IEEE 1278.1-1994, Standard for

Distributed Interactive Simulation--Application Protocols

Introduction

This 1994 revision of what is popularly called "the DIS enumeration document" has been prepared by the Institute for Simulation and Training (IST). The original contents of this document began as a set of separate appendices to the early versions of the Standard for Distributed Interactive Simulation (DIS) Protocol Data Units (PDUs). These appendices were eventually bound together under common cover with a single title and published as IST-CR-93-19. Stewardship of this document was then temporarily transferred to the Joint Interoperability Engineering Organization (JIEO), which substantially increased the level and amount of detail. This latest revision by IST retains the many substantive contributions of JIEO, while restructuring the document for the first time as the single, integrated source for all enumeration fields found in the DIS PDUs.

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1.0 Overview

This document specifies the numerical values and associated definitions for those DIS PDU fields which are identified as enumerations in IEEE 1278.1-1994. Compliance with this document is mandatory for participation in a DIS exercise.

The various fields are grouped according to the PDUs in which they appear, and the PDUs are then grouped by PDU family, constituting Sections 3-9 below.

2.0 Acronyms

AA	Anti-Aircraft
AAA	Anti-Aircraft Artillery
AABNCP	Advanced Airborne Command Post
AAC	Anti-Aircraft Common
AAV	Amphibious Assault Vehicle
AAWS-M	Advanced Antitank Weapon System--Medium
ABS	Amphibious Bridging System
ACV	Armored Command Vehicle
AD	Air Defense
ADAM	Area Denial Artillery/Antipersonnel Munition
ADATS	Air Defense Anti-Tank System
ADCAP	Advanced Capability
ADSM	Air Defense Suppression Missile
AEW	Airborne Early Warning
AEW&C	Airborne Early Warning & Control
AFARV	Armored, Forward-Area, Rearm Vehicle
AFAS	Advanced Field Artillery System
AFS	Auxiliary Fleet Support
AFSK	Audio Frequency Shift Keying
AHI	Anti-Helicopter Mine
ALCM	Air Launched Cruise Missile
ALSV	Armored Logistics Support Vehicle
AM	Amplitude Modulation
AMC	Armored Mortar Carrier
AMRAAM	Advanced Medium Range Air-to-Air Missile
AMV	Armored Maintenance Vehicle
AO	Auxiliary Oiler
AOL	Auxiliary Oiler, Light
AP	Armor Piercing
APC	Armored Personnel Carrier
APERS	Antipersonnel
API	Armor Piercing Incendiary
APV	Armored Patrol Vehicle
ARL	Airborne Reconnaissance--Low

ARM	Antiradiation Missile
ARM-D	Antiradiation Missile Decoy
ARV	Armored Recovery Vehicle
ASCII	American Standard Code for Information Interchange
ASM	Air-to-Surface Missile
ASROC	Anti-Submarine Rocket
ASV-XC	
ASW	Anti-Submarine Warfare
AT	Anti-Tank
ATBM	Anti-Tactical Ballistic Missile
ATGW	Anti-Tank Guided Weapon
ATTV	All-Terrain Tow Vehicle
AVLB	Armored Vehicle-Launched Bridge
AWACS	Airborne Warning and Control System
BB	Base Bleed
BD	Base Detonation
C^2	Command and Control
CAT	Combined Arms Team
CAV	Composite Armored Vehicle
CAWS	Close Assault Weapon System
CBU	Cluster Bomb Unit
CCITT	International Telegraph and Telephone Consultative Committee
CFV	Cavalry Fighting Vehicle
CITV	Commander's Independent Thermal Viewer
CUCV	Commercial Utility Cargo Vehicle
CVCC	Combat Vehicle Command and Control
CVT	Continuous Variable Time
CW	Continuous Wave
DAACM	Direct Airfield Attack Combined Munition
DIS	Distributed Interactive Simulation
DMSP	Defense Meteorological Satellite Program
DP	Dual-Purpose
DRA	Dead Reckoning Algorithm
DRM	Dead Reckoning Model
DS	Discarding Sabot
DSB	Double Sideband
DSP	Defense Satellite Program
DU	Depleted Uranium
ECM	Electronic Countermeasures
EFM	Enhanced Fighter Maneuverability
EFVS	Electronic Fighting Vehicle System
ELINT	Electronic Intelligence
ERAM	Extended Range Anti-armor Munition
ERINT	Extended Range Interceptor
EW	Electronic Warfare

E^2I	Endo-Exoatmospheric Interceptor
FAASV	Field Artillery Ammunition Support Vehicle
FAMV	Forward Area Multi-purpose Vehicle
FAV	Fast Attack Vehicle
FDC	Fire Direction Center
FIST-V	Fire Support Team Vehicle
FM	Frequency Modulation
FMTV	Family of Medium Tactical Vehicles
FOG-M	Fiber Optic Guided Missile
FOMP	Fiber Optic Mortar Projectile
FS	Fin Stabilized
FSK	Frequency Shift Keying
GLCM	Ground Launched Cruise Missile
GLH:H	Ground Launched Hellfire: Heavy
GP	General Purpose
GPS	Global Positioning System; Gunner's Primary Sight
GTI	German Tank Improvement
HARM	High-Speed Antiradiation Missile
HC	Hexachloroethane Zinc
HE	High Explosive
HEAT	High Explosive Anti-Tank
HE-I	High Explosive-Incendiary
HEMTT	Heavy Expanded Mobility Tactical Truck
HEP	High Explosive Plastic
HERA	High Explosive Rocket Assisted
HET	Heavy Equipment Transporter
HIMAD	High-to-Medium Altitude Air Defense
HMMWV	High Mobility Multipurpose Wheeled Vehicle
HQ	Headquarters
HVAP	High Velocity Armor Piercing
HVM	High Velocity Missile
ICM	Improved Conventional Munition
IEEE	Institute of Electrical and Electronic Engineers
IFV	Infantry Fighting Vehicle
IR	Infrared
ISB	Independent Sideband
IST	Institute for Simulation and Training
ITOW	Improved TOW
ITV	Improved TOW Vehicle
JIEO	Joint Interoperability Engineering Organization
KE	Kinetic Energy
LAV	Light Armored Vehicle
LAW	Light Antitank Weapon
LCU	Landing Craft, Utility
LCV	Lightweight Combat Vehicle

LGB	Laser-Guided Bomb
LMTV	Light Medium Tactical Vehicle
LOSAT	Line-of-Sight Anti-Tank
LSB	Lower Sideband
LSV	Light Strike Vehicle
LVT	Landing Vehicle, Tracked
LVTC	LVT, Command
LVTE	LVT, Engineer
LVTH	LVT, Howitzer
LVTR	LVT, Recovery
MBT	Main Battle Tank
MCT	Medium Combat Truck
MG	Machine Gun
MHC	Material Handling Crane
MICLIC	Mine-Clearing Charge
MIL STD	Military Standard
MLRS	Multiple Launch Rocket System
MP	Multi-Purpose
MPIM	Multipurpose Individual Munition
MPS	Maritime Prepositioning Ship
MRCA	Multi-Role Combat Aircraft
MTV	Medium Tactical Vehicle
NASP	National Aerospace Plane
NATO	North Atlantic Treaty Organization
NBC	Nuclear/Biological/Chemical
NLS	National Launch System
N/A	Not Applicable
PCM	Pulse Code Modulation
PD	Point Detonation
PDM	Pursuit Deterrent Munition
PDU	Protocol Data Unit
PM	Phase Modulation
RA	Rocket Assisted
RAAM	Rifle-launcher Anti-Armor Munition
RAG	Ring Airfoil Grenade
RAM	Rolling Airframe Missile
RAMP-V	Rapid Multi-Purpose Vehicle
RAP	Rocket-Assisted Projectile
RDF/LT	Rapid Deployment Force Light Tank
RF	Radio Frequency
RN	Royal Navy
RTCST	Rough Terrain Container Straddle Truck
SAM	Surface-to-Air Missile
SAP	Semi-Armor Piercing
SAR	Search and Rescue

SAW	Squad Automatic Weapon
SD	Self-Destruct
SDS	Satellite/Space Defense System
SFW	Sensor Fused Weapon
SEALS	
SH	Squash Head
SIGINT	Signal Intelligence
SIMNET	Simulation Networking
SINCGARS	Single Channel Ground-Air Radio System
SLAM	Selectable Lightweight Attack Munition
SLBM	Submarine Launched Ballistic Missile
SNA	Soviet Naval Air
SP	Self-Propelled
SRAM	Short Range Attack Missile
SSB	Single Sideband
SUBROC	Submarine Rocket
SUSV	Small Unit Support Vehicle
SURTASS	Surveillance Towed Array Sonar System
SWATH	Small Water-plane Area Twin Hull
-T	Tracer (ammunition)
TAD	Trailing Arm Drive
TARG	Telescoped Ammunition Revolver Gun
TASM	Tomahawk Anti-Ship Missile
TBD	To Be Determined
TDRSS	Tactical Data Relay Satellite System
THAAD	Theater High-Altitude Area Defense
TLAM	Tomahawk Land Attack Missile
TLB	Trailer Launched Bridge
TOW	Tube-launched, Optically tracked, Wire-guided (missile)
UK or U.K.	United Kingdom
US or U.S.	United States
USB	Upper Sideband
VLF	Very Low Frequency
VRRTFLT	Variable Reach RoughTerrain Forklift Truck
VSB	Vestigial Sideband
VT	Variable Time
WAM	Wide Area Mine
WP	White Phosphorus

3.0 PDU header

3.1 Protocol Version

This section specifies the 8-bit enumeration for the Protocol-Version field in the PDU-Header record.

Field Value	Protocol Version
1	DIS PDU version 1.0 (May 92)
2	IEEE 1278-1993
3	DIS PDU version 2.0 - third draft (May 93)
4	IEEE 1278.1-1994

3.2 PDU Type

This section specifies the 8-bit enumeration for the PDU-Type field in the PDU Header record.

Field Value	PDU Kind
0	Other
1	Entity State
2	Fire
3	Detonation
4	Collision
5	Service Request
6	Resupply Offer
7	Resupply Received
8	Resupply Cancel
9	Repair Complete
10	Repair Response
11	Create Entity
12	Remove Entity
13	Start/Resume
14	Stop/Freeze
15	Acknowledge
16	Action Request
17	Action Response
18	Data Query
19	Set Data
20	Data
21	Event Report
22	Message
23	Electromagnetic Emission

24	Designator
25	Transmitter
26	Signal
27	Receiver

3.3 Protocol Family

This section specifies the 8-bit enumeration for the Protocol-Family field in the PDU-Header record.

Field value	PDU Family
0	other
1	Entity Information/Interaction
2	Warfare
3	Logistics
4	Radio Communication
5	Simulation Management
6	Distributed Emission Regeneration

4.0 Entity State PDU

4.1 Force ID

This section specifies the 8-bit enumeration for the Force-ID field in the Entity-State PDU.

Field Value	Force
0	Other
1	Friendly
2	Opposing
3	Neutral

4.2 Entity Type record

This section specifies the 64-bit enumeration for the Entity-Type record of the Entity State PDU. Individual fields in this record are discussed separately in the subsections below. Entity Types are arranged in a hierarchical order such that higher-fidelity simulations may depict detailed representations of an entity (such as an F-16B) while lower-fidelity simulations may depict the same entity in a more generic manner (such as an F-16 or a Fighter Aircraft).

4.2.1 Entity Kind

This section specifies the 8-bit enumeration for the Entity-Kind field.

Field Value	Kind
0	Other
1	Platform
2	Munition
3	Life form
4	Environmental
5	Cultural feature
6	Supply
7	Radio

Definitions of the remaining fields are based on this classification. Following is a detailed discussion of the remaining fields for each of these kinds.

4.2.1.1 Platform

The Platform kind refers to vehicles such as ships, tanks, aircraft and submarines. Fields used to further describe platforms are detailed in the paragraphs that follow.

4.2.1.1.1 Domain

The Domain field is an 8-bit enumeration. The defined values for a platform's domain are:

Field Value	Domain
0	Other
1	Land
2	Air
3	Surface
4	Subsurface
5	Space

4.2.1.1.2 Country

The Country field is a 16-bit enumeration representing the country to which a particular platform's design is attributed. The defined values for this field are contained in **4.2.2**.

4.2.1.1.3 Category

The Category field is an 8-bit enumeration. The field values for Land, Air, Surface, Subsurface and Space domains are given below.

4.2.1.1.3.1 Land

Field Value	Category
0	Other
1	Tank
2	Armored Fighting Vehicle
3	Armored Utility Vehicle
4	Self-propelled Artillery
5	Towed Artillery
6	Small Wheeled Utility Vehicle
7	Large Wheeled Utility Vehicle
8	Small Tracked Utility Vehicle
9	Large Tracked Utility Vehicle
10	Mortar

4.2.1.1.3.2 Air

Field Value	Category
0	Other
1	Fighter/Air Defense

2	Attack/Strike
3	Bomber
4	Cargo/Tanker
5	ASW/Patrol/Observation
6	Electronic Warfare (EW)
7	Reconnaissance
8	Surveillance/C^2 (Airborne Early Warning)
20	Attack Helicopter
21	Utility Helicopter
22	Antisubmarine Warfare/Patrol
23	Cargo Helicopter
24	Observation Helicopter
25	Special Operations
40	Trainers
50	Unmanned

4.2.1.1.3.3 Surface

Field Value	Category
0	Other
1	Carrier
2	Command Ship/Cruiser
3	Guided Missile Cruiser
4	Guided Missile Destroyer (DDG)
5	Destroyer (DD)
6	Guided Missile Frigate (FFG)
7	Light/Patrol Craft
8	Mine Countermeasure Ship/Craft
9	Dock Landing Ship
10	Tank Landing Ship
11	Landing Craft
12	Light Carrier
13	Cruiser/Helicopter Carrier
14	Hydrofoil
15	Air Cushion/Surface Effect
16	Auxiliaries
17	Auxiliaries, Merchant Marine
18	Utility
50	Frigate (including Corvette)
51	Battle Ship
52	Heavy Cruiser
53	Destroyer Tender
54	Amphibious Assault Ship
55	Amphibious Cargo Ship

56	Amphibious Transport Dock
57	Ammunition Ship
58	Combat Stores Ship
59	Surveillance Towed Array Sonar System (SURTASS)
60	Fast Combat Support

4.2.1.1.3.4 Subsurface

Field Value	Category
0	Other
1	SSBN (Nuclear Ballistic Missile)
2	SSGN (Nuclear Guided Missile)
3	SSN (Nuclear Attack - Torpedo)
4	SSG (Conventional Guided Missile)
5	SS (Conventional Attack - Torpedo, Patrol)
6	SSAN (Nuclear Auxiliary)*
7	SSA (Conventional Auxiliary)*

* includes training

4.2.1.1.3.5 Space

Field Value	Category
0	Other
1	Manned
2	Unmanned

4.2.1.2 Munition

The Munition kind includes entities such as missiles, ballistic rounds, bullets and torpedoes. Fields used to further describe munitions are detailed in the paragraphs that follow.

4.2.1.2.1 Domain

The Domain field is an 8-bit enumeration reflecting a munition's normal role. The defined values for a munition's domain are:

Field Value	Domain
0	Other
1	Anti-Air
2	Anti-Armor
3	Anti-Guided Munition
4	Antiradar

5	Antisatellite
6	Antiship
7	Antisubmarine
8	Antipersonnel
9	Battlefield Support
10	Strategic

4.2.1.2.2 Country

The Country field is a 16-bit enumeration representing the country to which a particular munition's design is attributed. The defined values for this field are contained in **4.2.2**.

4.2.1.2.3 Category

The Category field is an 8-bit enumeration. The field values for munitions of all domains are:

Field Value	Category
0	Other
1	Guided
2	Ballistic
3	Fixed

4.2.1.2.4 Fuse and warhead

Munitions are further identified in the Detonation PDU in terms of their fuse and warhead. The values for these fields are contained in **1.1** and **1.2** respectively.

4.2.1.3 Life Form

The Life-Form kind refers to dismounted infantry, scouts, SEALS, or other humans, as well as animals like whales and shrimp. Life forms are treated similarly to platforms since they can move and (some) can fire munitions. Fields used to further define life forms are detailed in the paragraphs that follow.

4.2.1.3.1 Domain

The Domain field is an 8-bit enumeration. The defined values for a life form's domain are identical to a platform's. See **4.2.1.1.1.**

4.2.1.3.2 Country

The Country field is a 16-bit enumeration defining a life form's country of origin. The defined values for this field are found in **4.2.2**.

4.2.1.3.3 Specific Life-Form definition

The remaining fields of the Entity-Type record further define all life forms. The Subcategory field specifying the number of individuals allows representation of one or more life forms using one PDU.

4.2.1.4 Environmental

The Environmental kind refers to entities in the usual *physical-object* sense, e.g. clouds and ice bergs, as well as inherent *characteristics* of a particular environment, such as sea state or transmissivity profile. Fields used to further describe environmental entities are detailed in the paragraphs that follow.

4.2.1.4.1 Domain

The Domain field is an 8-bit enumeration. The defined values for Environmental domain are identical to a platform's. See **4.2.1.1.1.**

4.2.1.4.2 Country

The Country field is unused.

4.2.1.4.3 Specific Environmental definition

The remaining fields of the Entity-Type record further define all environmentals. The Subcategory field defines the size of the environmental entity.

4.2.1.5 Cultural Feature

The Cultural-Feature kind refers to engineering and natural effects such as craters, bridges, vehicle tracks, etc. Fields used to further describe cultural features are detailed in the paragraphs that follow.

4.2.1.5.1 Domain

The Domain field is an 8-bit enumeration. The defined values for a cultural feature's domain are identical to a platform's. See **4.2.1.1.1.**

4.2.1.5.2 Country

The Country field is unused.

4.2.1.5.3 Specific Cultural-Feature definition

The remaining fields of the Entity-Type record further define all cultural features. The Subcategory field defines the size of the cultural feature.

4.2.1.6 Supply

The Supply kind refers to supplies other than munitions, such as fuel, food and personnel. Fields used to further describe supplies are detailed in the paragraphs that follow.

4.2.1.6.1 Domain

The Domain field is unused.

4.2.1.6.2 Country

The Country field is unused.

4.2.1.6.3 Specific Supply definition

The remaining fields of the Entity-Type record further define all supplies.

4.2.1.7 Radio

The Radio kind refers to electronic devices for the communication of both audio and data. Fields used to further describe radios are detailed in the paragraphs that follow.

4.2.1.7.1 Domain

TBD.

4.2.1.7.2 Country

TBD.

4.2.1.7.3 Specific Radio Definition

4.2.2 Country

This section specifies the 16-bit enumeration for the Country field.

Field Value	Country
0	Other
1	Afghanistan
2	Albania
3	Algeria
4	American Samoa (United States)
5	Andorra
6	Angola

7	Anguilla
8	Antarctica (International)
9	Antigua and Barbuda
10	Argentina
244	Armenia
11	Aruba
12	Ashmore and Cartier Islands (Australia)
13	Australia
14	Austria
245	Azerbaijan
15	Bahamas
16	Bahrain
17	Baker Island (United States)
18	Bangladesh
19	Barbados
20	Bassas da India (France)
246	Belarus
21	Belgium
22	Belize
23	Benin (aka Dahomey)
24	Bermuda (United Kingdom)
25	Bhutan
26	Bolivia
247	Bosnia and Hercegovina
27	Botswana
28	Bouvet Island (Norway)
29	Brazil
30	British Indian Ocean Territory (United Kingdom)
31	British Virgin Islands (United Kingdom)
32	Brunei
33	Bulgaria
34	Burkina (aka Burkina Faso or Upper Volta
35	Burma (Myanmar)
36	Burundi
37	Cambodia (aka Kampuchea)
38	Cameroon
39	Canada
40	Cape Verde, Republic of
41	Cayman Islands (United Kingdom)
42	Central African Republic
43	Chad
44	Chile
45	China, People's Republic of
46	Christmas Island (Australia)
248	Clipperton Island (France)
47	Cocos (Keeling) Islands (Australia)

48	Colombia
222	Commonwealth of Independent States
49	Comoros
50	Congo, Republic of
51	Cook Islands (New Zealand)
52	Coral Sea Islands (Australia)
53	Costa Rica
107	(Cote D'Ivoire (aka Ivory Coast)
249	Croatia
54	Cuba
55	Cyprus
56	Czechoslovakia (separating into Czech Republic and Slovak Republic)
23	Dahomey (aka Benin)
57	Denmark
58	Djibouti
59	Dominica
60	Dominican Republic
61	Ecuador
62	Egypt
63	El Salvador
64	Equatorial Guinea
250	Estonia
65	Ethiopia
66	Europa Island (France)
67	Falkland Islands (aka Islas Malvinas) (United Kingdom)
68	Faroe Islands (Denmark)
69	Fiji
70	Finland
71	France
72	French Guiana (France)
73	French Polynesia (France)
74	French Southern and Antarctic Islands (France)
75	Gabon
76	Gambia, The
77	Gaza Strip (Israel)
251	Georgia
78	Germany
79	Ghana
80	Gibraltar (United Kingdom)
81	Glorioso Islands (France)
82	Greece
83	Greenland (Denmark)
84	Grenada
85	Guadaloupe (France)
86	Guam (United States)

87	Guatemala
88	Guernsey (United Kingdom)
89	Guinea
90	Guinea- Bissau
91	Guyana
92	Haiti
93	Heard Island and McDonald Islands (Australia)
94	Honduras
95	Hong Kong (United Kingdom)
96	Howland Island (United States)
97	Hungary
98	Iceland
99	India
100	Indonesia
101	Iran
102	Iraq
104	Ireland
105	Israel
106	Italy
107	Ivory Coast (aka Cote D'Ivoire)
108	Jamaica
109	Jan Mayen (Norway)
110	Japan
111	Jarvis Island (United States)
112	Jersey (United Kingdom)
113	Johnston Atoll (United States)
114	Jordan
115	Juan de Nova Island
252	Kazakhstan
116	Kenya
117	Kingman Reef (United States)
118	Kiribati
119	Korea, Democratic People's Republic of (North)
120	Korea, Republic of (South)
121	Kuwait
253	Kyrgyzstan
122	Laos
254	Latvia
123	Lebanon
124	Lesotho
125	Liberia
126	Libya
127	Liechtenstein
255	Lithuania
128	Luxembourg
130	Macau (Portugal)

256	Macedonia
129	Madagascar
131	Malawi
132	Malaysia
133	Maldives
134	Mali
135	Malta
136	Man, Isle of (United Kingdom)
137	Marshall Islands
138	Martinique (France)
139	Mauritania
140	Mauritius
141	Mayotte (France)
142	Mexico
143	Micronesia, Federative States of
257	Midway Islands (United States)
258	Moldova
144	Monaco
145	Mongolia
259	Montenegro
146	Montserrat (United Kingdom)
147	Morocco
148	Mozambique
35	Myanmar (aka Burma)
149	Namibia (South West Africa)
150	Nauru
151	Navassa Island (United States)
152	Nepal
153	Netherlands
154	Netherlands Antilles (Curacao, Bonaire, Saba, Sint Maarten Sint Eustatius)
155	New Caledonia (France)
156	New Zealand
157	Nicaragua
158	Niger
159	Nigeria
160	Niue (New Zealand)
161	Norfolk Island (Australia)
162	Northern Mariana Islands (United States)
163	Norway
164	Oman
216	Pacific Islands, Trust Territory of the (Palau)
165	Pakistan
166	Palmyra Atoll (United States)
168	Panama
169	Papua New Guinea

170	Paracel Islands (International - Occupied by China, also claimed by Taiwan and Vietnam)
171	Paraguay
172	Peru
172	Philippines
174	Pitcairn Islands (United Kingdom)
175	Poland
176	Portugal
177	Puerto Rico (United States)
178	Qatar
179	Reunion (France)
180	Romania
260	Russia
181	Rwanda
183	St. Helena (United Kingdom)
184	St. Lucia
186	St. Vincent and the Grenadines
182	St. Kitts and Nevis
185	St. Pierre and Miquelon (France)
187	San Marino
188	Sao Tome and Principe
189	Saudi Arabia
190	Senegal
261	Serbia and Montenegro (Montenegro to separate)
191	Seychelles
192	Sierra Leone
193	Singapore
262	Slovenia
194	Solomon Islands
195	Somalia
197	South Africa
196	South Georgia and the South Sandwich Islands (United Kingdom)
198	Spain
199	Spratly Islands (International - parts occupied and claimed by China,Malaysia, Philippines, Taiwan, Vietnam)
200	Sri Lanka
201	Sudan
202	Suriname
203	Svalbard (Norway)
204	Swaziland
205	Sweden
206	Switzerland
207	Syria
208	Taiwan
263	Tajikistan

209	Tanzania
210	Thailand
211	Togo
212	Tokelau (New Zealand)
213	Tonga
214	Trinidad and Tobago
215	Tromelin Island (France)
217	Tunisia
218	Turkey
264	Turkmenistan
219	Turks and Caicos Islands (United Kingdom)
220	Tuvalu
221	Uganda
265	Ukraine
223	United Arab Emirates
224	United Kingdom
225	United States
34	Upper Volta (aka Burkina or Burkina Faso)
226	Uruguay
266	Uzbekistan
227	Vanuatu
228	Vatican City (Holy See)
229	Venezuela
230	Vietnam
231	Virgin Islands (United States)
232	Wake Island (United States)
233	Wallis and Futuna (France)
235	West Bank (Israel)
234	Western Sahara
236	Western Samoa
237	Yemen
241	Zaire
242	Zambia
243	Zimbabwe

4.2.3 Comprehensive Entity-Type tables

The following tables list the correct field values of the Entity-Type record for many specific entities in a typical DIS exercise. The header on each page contains the Kind-, Domain-, and Country-field values for all entities on that page, as specified in **4.2.1**. The remaining field values (Category, Subcategory, Specific) are nested in numerical order (with occasional exceptions due to correction or update) with specific definitions appropriate to the entity's kind, domain, and country. Field values for exercise-unique entities not found in these tables may be coordinated and specified *ad hoc*. Any unused field shall be zero-filled.

4.2.3.1 Platforms

4.2.3.1.1 U.S. Platforms

All U.S. platforms have a Kind-field value of 1 and a Country-field value of 225.

Kind	Domain	Country	Cat	Scat	Specific
1	1 Land				
		225			
			0 Other		
				1 Miscellaneous guns	
					1 M901 40-mm machine gun
					2 20-mm Vulcan air defense system
					3 Liquid propellant guns
				2 Grenade launchers	
					1 Mk 19 40-mm
					2 Brunswick Multisalvo Smoke Grenade Launcher
					3 Tracor Aerospace Advanced Smoke Launcher System
				3 Other missile systems	
					1 McDonnell-Douglas Harpoon Coastal Defense System
				4 Bridges	
					1 Trailer Launched Bridge (TLB)
					2 Mobile assault bridge
			1 Tank		
				1 M1 Abrams	
					1 M1 Abrams
					2 M1A1 Abrams
					3 M1A2
					4 M1A1 w/ mine rollers
					5 M1A1 w/ mine plows
					6 M1A1 w/ DU armor
					7 M1A2 w/ Combat Vehicle Command and Control (CVCC)
					8 M1AVLB
				2 M60 Main Battle Tank (MBT)	

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
					1 M60A3
					2 M60A1
					3 M60A2
					4 M60A1 with ERA
				3	M551 Sheridan light tank/reconnaissance vehicle
					1 M551A1
				4	M48 medium tank
					1 M48C
					2 M48A1
					3 M48A2
					4 M48A2C
					5 M48A3
					6 M48A4
					7 M48A5
					8 M48H
					9 M48 AVLB
					10 M48 ARV
					11 M48 mineclearing vehicle
					12 M48A2GA2
					13 M48A5E
					14 M48A2C
				5	M47 medium tank
					1 M47
					2 M47M
					3 GLS M47 ARV
				6	M41 light tank
					1 M41C
					2 M41E W/8V-71T Engine
					3 QM41
					4 M41B
					5 M41C
					6 M41 German Tank Improvement (GTI)
				7	Cadillac Gage Commando Stingray light tank
				8	FMC Close Combat Vehicle Light VFM 5 tank

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
				9	AAI Rapid Deployment Force Light Tank (RDF/LT) Combined Arms Team/Lightweight Combat Vehicle (CAT/LCV)
					1 Prototype.
				10	Teledyne Continental Armored Gun System
			2	Armored fighting vehicle	
				1	FMC M2/M3 Bradley
					1 M2A2 Bradley Infantry Fighting Vehicle (IFV)
					2 M3A2 Bradley Cavalry Fighting Vehicle (CFV)
					3 FMC Bradley IFV
					4 M2 Bradley IFV
					5 M2A1 Bradley IFV
					6 M3 Bradley CFV
					7 M3A1 Bradley CFV
				3	FMC M113 Armored Personnel Carrier (APC)
					1 M113A2
					2 M113A3
					3 M113A3 w/ M105 trailer
					6 M113A1 Improved TOW Vehicle (ITV)
					7 M113A1 TOW
					8 M113A2 ITV
					9 M113A2 TOW
					10 M730 Chaparral Surface-to-Air Missile (SAM) launcher
					11 M113
					12 M113A1
					13 M113A1R
					14 M113A2DR
					15 M113A2H
					16 M113A2IT
					17 M113A2MK
					18 M113A2R
					19 M132/M132A1 Flamethrower
					20 M667
					21 M730
					22 M730A1
					23 M741
					24 M741A1

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
					25 M741A2
					26 RTL
					27 XM474
					28 XM474E2
					29 XM667E1
					30 XM727
					31 XM730
					32 XM741
					33 XM806E1
					34 XM806E2
				5	Light Armored Vehicle (LAV) TOW
				6	FMC Armored IFV
					1 YPR 765 PRI
					2 YPR 765 PRCO-B command vehicle
					3 YPR 765 PRCO-C1 to C5
					4 YPR 765 PRRDR radar vehicle
					5 YPR 765 PRRDR-C radar/command vehicle
					6 YPR 765 PRGWT ambulance
					7 YPR 765 PRI/I
					8 YPR 765 PRMR mortar tractor
					9 YPR 765 PRVR-A cargo vehicle
					10 YPR 765 PRVR-B cargo vehicle
					11 YPR 765 PRAT
				7	FMC Lynx (or M113) Command and Reconnaissance Vehicle
				8	M981 FIST-V
				9	M106 mortar carrier
					1 M106 107-mm
					2 M106A1 107-mm
					3 M106A2 107-mm
					4 M1064 120-mm
				10	Electronics & Space Corp M901 ITV
					1 M901
					2 M901A1
				11	M125 81-mm mortar carrier
					1 M125A1

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
					2 M125A2
				12	Cadillac Gage V-600 Armored Car
				13	Cadillac Gage LAV Assault Gun LAV-105
				14	M59 APC
				15	LAV-105
				16	Chrysler MAC-1 armored car
				17	Cadillac Gage Commando Scout
				18	Cadillac Gage Commando V-300
					1 V-300 w/ TOW
					2 V-300 w/ 81-mm mortar
					3 V-300 ambulance
				19	Cadillac Gage Commando V-150
					1 Commando w/ MG turret
					2 Commando w/ 1-m MG turret
					3 Commando w/ 1-m 20-mm turret
					4 Commando w/ 20-mm turret
					5 Commando w/ 25-mm turret
					6 Commando w/ 40-mm/12.7-mm turret
					7 Commando V-150 S
					8 Commando air defense vehicle
					9 Commando with 76-mm turret-mounted gun
					10 Commando with 90-mm turret-mounted gun
					11 Commando with 81-mm mortar
					12 Commando with TOW
					13 Commando command vehicle
					14 Base security vehicle
					15 Malaysian upgraded V-150 Commando
				20	AV Technology Corporation Dragoon
					1 APC
					2 ASV-XC extended cab
					3 Dragoon Armored Command Vehicle (ACV)
					4 Dragoon Armored Mortar Carrier (AMC)

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
					5 Dragoon TOW Carrier
				21	Half-track APCs
				22	Cadillac Gage Commando Ranger APC
				23	Vehicle Sys Development Corp Lancer Armored Patrol Vehicle (APV)
				24	AAI Propulsion System Demonstrator Amphibious Assault Vehicle (AAV)
				25	Advanced AAV
				26	FMC AAV7A1 (LVTP7A1)
					1 AAVC7A1 command vehicle
					2 AAVR7A1 recovery vehicle
					3 AAV7A1 with mine plow
					4 AAV7A1 with VEMASID
					5 AAV7A1 with mine-clearance-system kit
					6 AAV7A1 with upgunned weapons station
				27	LVTP5A1 Armored AAV
					1 LVTC5 (Command, Model 5)
					2 LVTE1 (Engineer, Model 1)
					3 LVTH6 (Howitzer, Model 6)
					4 LVTR1 (Recovery, Model 1)
				28	Composite Armored Vehicle (CAV)
				29	XM987 Fighting Vehicle Systems Carrier
			3		Armored utility vehicle
				1	M88 medium recovery vehicle
					1 M88A1
					2 M88A2
					3 M88A1E1
				2	M578 light armored recovery vehicle
				3	M981 FIST-V
				4	AVLB

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

1 M1 AVLB bridge layer
2 M60A1
3 M60A3
4 M48
5 M48A5
6 M728

5 M728 combat engineer vehicle

6 M9 armored combat earthmover

7 Cadillac Gage Commando V-150 Recovery Vehicle

8 AV Technology Corporation Dragoon
1 Armored Logistics Support Vehicle (ALSV)

9 M548 unarmed cargo carrier
1 M548 tracked Rapier
2 M548G
3 M548A1

10 M113/M113A1/M113A2 bulldozer

11 M577/M577A1/M577A2 command post

12 Stretched M577A2E2 command post

13 XM1068 command post vehicle

14 FMC (M113) APC ambulance

15 M113A2 recovery vehicle

16 Abrams Recovery Vehicle

17 Assault amphibian vehicle, recovery, model 7A1

18 Fitter's vehicle

19 Armored Maintenance Vehicle (AMV)

20 M1059 smoke-generating system

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

4 Self-propelled artillery

1 M993 70-mm Rapid Deployment Multiple Launch Rocket System (MLRS)

2 M110 203-mm (8-inch) SP Howitzer
- 1 M110
- 2 M110A2

3 M109 155-mm SP Howitzer
- 1 M109
- 2 M109A1
- 3 M109A2
- 4 M109A3
- 5 M109A4
- 6 M109A5
- 7 M109A6
- 8 M109L

4 Ground Launched Cruise Missile (GLCM) launcher

5 M163 Vulcan Anti-aircraft gun

6 M107-175 mm gun

7 M44 155-mm Howitzer

8 M108 105-mm Howitzer

9 Advanced Field Artillery System (AFAS)

10 Liquid-propellant Artillery System

11 M42 twin 40-mm SP anti-aircraft gun

12 M163 20-mm Vulcan SP anti-aircraft gun

13 General Electric Vulcan-Commando 20-mm SP Air Defense (AD) system

14 Boeing Avenger pedestal-mounted Stinger SP AD System

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

15 Raytheon/Loral Aeronutronic Saber AD missile system

16 LTV Crossbow pedestal-mounted weapon system

17 Fiber Optic Guided Missile (FOG-M)

18 Loral Aeronutronic M48 Chaparral
- 1 M48
- 2 M48A1
- 3 M48A2
- 4 M48A3

19 Block VII Low-Altitude SAM System

20 Loral Aeronutronic SAM System

21 Electronic & Space Corp Ground-Launched Hellfire: Heavy (GLH:H)

22 Line-of-Sight Anti-Tank (LOSAT)

5 Towed artillery

1 M114 155-mm Howitzer

2 M198 155-mm towed Howitzer

3 M101 105-mm Howitzer
- 1 M101
- 2 M101A1

4 M119 105-mm light Howitzer

5 M115 8-inch Howitzer

6 155-mm Lightweight Howitzer (LW155)

7 M59 155-mm gun

8 M102 105-mm Howitzer

9 M1 40-mm Automatic Anti-aircraft gun

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
				10	M167 20-mm Vulcan Anti-aircraft gun
				11	M55 12.7-mm (Quad) Anti-aircraft MG
				12	MIM-23 Raytheon Hawk Low-to-Medium Altitude SAM System
				13	MIM-104 Raytheon Patriot High-to-Medium Altitude Air Defense (HIMAD) System
				14	MIM-14B Nike-Hercules SAM System
			6		Small wheeled utility vehicle
				1	LTV HMMWV M998-series multipurpose wheeled vehicles
					1 M998 cargo/troop carrier without winch
					2 M1038 cargo/troop carrier with winch
					3 M966 TOW missile carrier, basic armor, without winch
					4 M1036 TOW missile carrier, basic armor, with winch
					5 M1045 TOW missile carrier, supplemental armor, without winch
					6 M1046 TOW missile carrier, supplemental armor, with winch
					7 M1025 armament carrier, basic armor, without winch
					8 M1026 armament carrier, basic armor, with winch
					9 M1043 armament carrier, supplemental armor, without winch

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
					10 M1044 armament carrier, supplemental armor, with winch
					11 M996 mini-ambulance, 2-litter, basic armor
					12 M997 maxi-ambulance, 4-litter, basic armor
					13 M1035 soft-top ambulance, 2-litter
					14 M1037 S-250 shelter carrier, without winch
					15 M1042 S-250 shelter carrier, with winch
					16 M1069 tractor for M119 105-mm light gun
				2	Warrior NMC-40 Long-range Fast Attack Vehicle (FAV)
				3	Chenowith FAV/Light Strike Vehicle (LSV)
				4	M58/M59 Mine-clearing charge (MICLIC) (towed)
					1 M58A3
					2 M58A4
					3 M59
				5	Teledyne 4x4 725-kg light forces vehicle
				6	TPC 4x4 909-kg Rapid Multi-purpose Vehicle (RAMP-V)
				7	M151 4x4 362-kg light vehicle and variants
				8	Jeep 4x4 light vehicle
				9	Jeep XJ 4x4 light truck/wagon series
				10	M38-series 4x4 363-kg light vehicle (CJ-3A)
				11	Cargo truck and variants: 4x4, 680-kg

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

1 M37
2 M42
3 M43
4 M201

12 Stewart & Stevenson Services Inc SS-200 6x6 multi-purpose light vehicle

13 Commercial Utility Cargo Vehicle (CUCV)

14 M1008, truck, cargo, tactical 1-1/4 ton, 4x4

15 M1009, truck, utility, tactical 3/4 ton, 4x4

16 M1010, truck, ambulance, tactical 1-1/4 ton, 4x4

17 M1031, truck, chassis, tactical 1-1/4 ton, 4x4

18 M1028, truck, cargo, shelter carrier, tactical 1-1/4

19 M715 4x4 1-1/4 ton truck
AM 715-series 4x4 1-1/4 ton cargo trucks

20 Jeep AM 720 4x4 1135-kg light truck

21 M880 4x4 1133 kg

22 M890 4x2 1133 kg

7 Large wheeled utility vehicle

1 M35/M44A2 6x6 2-1/2 ton cargo truck series
1 M34: cargo truck with an unladen weight of 5332 kg, chassis designated M44
2 M47: dump truck with an unladen weight of 6100 kg, chassis designated M57
3 Truck, maintenance: earth-boring machine and pole setter V18A/MTQ, chassis M44

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

4 Truck, maintenance: telephone construction and maintenance V17A/MTQ, chassis M44.
5 M35 truck: basic M45 chassis
6 M35A2
7 M35A2C
8 M36
9 M36A2
10 M48: tractor truck
11 M49: fuel tanker
12 M49A2C

2 M816, truck, wrecker, 5-ton, 6x6

3 M819, tractor, wrecker, 5-ton, 6x6

4 M817 engineer dump truck

5 M939 6X6 5-ton cargo truck

6 [no longer in service]
M984A1 recovery vehicle 10-ton 8x8

7 M543, truck, wrecker: medium, 5-ton, 6x6

8 M915 series of 5-ton trucks
1 Cargo
2 w/ FS pods
3 w/ shelter
4 M915, tractor, truck, 14-ton, 6x4
5 M915A1, tractor, truck, 14-ton, 6x4

9 LTV Hummer cab-over 4x4 2268-kg cargo truck

10 Freightliner All-Terrain Tow Vehicle (ATTV)

11 Stewart & Stevenson SS-300 8x8 2268-kg All-Terrain Vehicle

12 Stewart & Stevenson Family of Medium Tactical Vehicles (FMTV)
1 Light Medium Tactical Vehicle (LMTV) 2-1/2 ton 4x4

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

2 Medium Tactical Vehicle (MTV) 5-ton 6x6

13 TTC FMTV
- 1 LMTV
- 2 MTV

14 M54 6x6 5-ton cargo truck series
- 1 M41, cargo
- 2 M41, dump6
- 3 M52 , tractor
- 4 M54, cargo,
- 5 M55, cargo
- 6 M62k, wrecker, medium
- 7 M64, cargo, van
- 8 M246, tractor, wrecker
- 9 M291, van, expansible
- 10 M328, stake, bridging
- 11 M543, wrecker, medium
- 12 M748, bolster
- 13 M139 chassis

15 M809 6x6 5-ton cargo truck series
- 1 M809
- 2 M810
- 3 M811/M812

16 M813 cargo truck, 5-ton, 6x6

17 Standard Trailing Arm Drive (TAD) vehicle series
- 1 Modular wheeled carrier
- 2 Forward Area Multi-purpose Vehicle (FAMV)
- 3 Medium Combat Truck (MCT)

18 Oshkosh MK48-series articulated 8x8 vehicle
- 1 MK48/14: logistics platform truck
- 2 MK48/15: recovery vehicle
- 3 MK48/16: truck tractor
- 4 MK48/17: cargo truck with Material Handling Crane (MHC)
- 5 MK48/18: load handling system vehicle.

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			

19 Oshkosh Heavy Expanded Mobility Tactical Truck (HEMTT) 8x8 9979-kg
- 1 M977 cargo
- 2 M978 fuel-servicing
- 3 M983 tractor
- 4 M984A1 wrecker
- 5 M985 cargo

20 Mack RM6866SX 6x6 10000-kg truck

21 M1070 8x8 Heavy Equipment Transporter (HET)

22 M911 8x6 truck tractor

23 M746 8x8 22-1/2 ton tractor truck (HET)

24 Mack RD8226SX 52000-kg 6x6 tank transporter

25 Navistar International Corporation F5070 6x4 tank transporter

26 LARC-5 4x4 4545-kg amphibious cargo carrier

27 Variable Reach Rough Terrain Forklift Truck (VRRTFLT)

28 Rough Terrain Container Straddle Truck (RTCST)

29 Truck, tractor, yard type, 4x2
- 1 M878
- 2 M878A1

30 Case MC2500 30-ton rough terrain crane

31 Crane, truck-mounted, hydraulic, 25-ton (CCE) (Grove TMS 300-5)

32 Rough terrain crane 4x4 5-ton Hanson H-446A

33 Wreckers, 2-1/2 ton 6x6
- 1 M60
- 2 M108

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
				34	M62, truck, wrecker, medium, 5-ton, 6x6
				35	M246, truck, tractor, wrecker, 5-ton, 6x6
			8	Small tracked utility vehicle	
			9	Large tracked utility vehicle	
				1	M548 tracked cargo carrier
					1 M1015
					2 Stretched M548A1E1
					3 M667
					4 M730
					5 Recovery vehicles
					6 Rapier SAM system
					7 Radar vehicles
					8 M45
					9 M548A1
					10 M548GA1
					11 M548/S
					12 LAR 160
				2	M992 Field Artillery Ammunition Support Vehicle (FAASV)
				3	M992 FAASV
					1 M993 MLRS carrier
					2 XM987 cargo carrier
					3 Armored, Forward-Area, Rearm Vehicle (AFARV)
					4 Armored Maintenance Vehicle
					5 XM1070 Electronic Fighting Vehicle System (EFVS)
					6 Command-post vehicle
				4	M548 M973 Small Unit Support Vehicle (SUSV)
				5	LMC 1500 Over-snow vehicle
				6	Caterpillar 988 50,000-lb (22,680-kg) rough terrain container handler

Kind	Domain	Country	Cat	Scat	Specific
1	1	225			
			10 Mortar		
				1	M29 81-mm
				2	M224 60-mm light company mortar
				3	M1 81-mm
				4	M2 60-mm
				5	M19 60-mm
				6	M29A1 81-mm
				7	M30 107-mm rifled
				8	M252 81-mm

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			

1 Fighter/Air Defense

1 Lockheed F-117A

2 Grumman F-14 Tomcat

3 General Dynamics F-16 Fighting Falcon
- 1 F-16A
- 2 F-16B
- 3 F-16C
- 4 F-16D
- 5 F-16E
- 6 F-16N
- 7 F-16 (ADF)
- 8 F-16 RECCE
- 9 F/A-16

4 McDonnell-Douglas F-4 Phantom II
- 1 F-4A
- 2 F-4B
- 3 F-4C
- 4 F-4D
- 5 F-4E
- 6 F-4F
- 7 F-4J
- 8 F-4K
- 9 F-4M

5 McDonnell-Douglas F-15 Eagle
- 1 F-15A
- 2 F-15B
- 3 F-15C
- 4 F-15D
- 5 F-15E
- 6 F-15F
- 7 F-15H

6 Lockheed F-22 Superstar
- 1 F-22A
- 2 F-22B

7 Lockheed F-104 Starfighter

8 General Dynamics F-111
- 1 F-111A

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			
					2 F-111C
					3 F-111D
					4 F-111E
					5 F-111F
					6 F-111G
				9	McDonnell-Douglas F/A-18 Hornet
					1 F/A-18A
					2 F/A-18B
					3 F/A-18C
					4 F/A-18D
					5 AF-18A
					6 ATF-18A
					7 CF-188A/B
					8 C.15
					9 CE.15
					10 F/A-18E/F
				10	Northrop F-5 Freedom Fighter/Tiger II
					1 F-5A
					2 F-5B
					3 F-5E Tiger II
					4 F-5F
					5 RF-5A
					6 RF-5E Tigereye
					7 RF-5F
			2		Attack/Strike
				1	McDonnell-Douglas A-4 Skyhawk
				2	A-6 Intruder
					1 A-6A
					2 A-6B
					3 A-6C
					4 A-6E
				3	Vought A-7 Corsair II
					1 A-7D
				4	Fairchild Republic A-10 Thunderbolt II
					1 A-10A
				5	Cessna 318E Dragonfly

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			
					1 A-37
				6	Grumman EA-6 Prowler
					1 EA-6A
					2 EA-6B
				7	Grumman A-6 Intruder Tanker
					1 KA-6D
					2 KA-6H
				8	McDonnell-Douglas AV-8B Harrier II
					1 AV-8B
					2 TAV-8B
					3 Harrier GR. Mk 5
					4 Harrier GR. Mk 5A
					5 Harrier GR. Mk 7
					6 Harrier T. Mk 10
					7 VA.2 Matador II
				9	Rockwell (Lockheed) AC-130U Spectre
				10	McDonnell-Douglas F-4 Phantom II
					1 F-4G Wild Weasel
			3	Bomber	
				1	Rockwell International B-1
					1 B-1B
				2	Northrop B-2
				3	Boeing B-52 Stratofortress
					1 B-52G
					2 B-52H
			4	Cargo/Tanker	
				1	Lockheed C-130 (Model 382) Hercules
					1 C-130
					2 AC-130
					3 DC-130
					4 EC-130
					5 HC-130

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			
					6 JC-130
					7 LC-130
					8 MC-130
					9 NC-130
					10 RC-130
					11 WC-130
					12 TC-130
					13 KC-130
					14 CC-130
					15 Hercules C. Mk 1
					16 Hercules C. Mk 2
					17 Hercules C. Mk 3P
					19 T.10
					20 TK.10
					21 TL.10
					22 Tp 84
					23 C-130H
					24 C-130H-30
					25 KC-130H
					26 C-130H-MP
					27 VC-130H
				2	Lockheed C-5 Galaxy
					1 C-5A
					2 C-5B
				3	Lockheed C-141 Starlifter
					1 C-141A
					2 C-141B
				4	C-135
				5	Boeing KC-135 Stratotanker
					1 KC-135A
					2 KC-135E
					3 KC-135Q
					4 KC-135R
				6	McDonnell-Douglas KC-10 Extender
					1 KC-10A
				7	Boeing 707 tanker/transport
					1 KE-3A
					2 T.17

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			
				8	Boeing 707
					1 VC-137
					2 E-6A
					3 E-8
				9	McDonnell-Douglas C-17A
				10	Boeing 747
					1 C-25A
					2 VC-25A "Air Force One"
				11	Gulfstream Aerospace Gulfstream III
					1 C-20
				12	Learjet 35A/36A
					1 C-21A
				13	Lockheed Model 1329-25 Jetstar II
					1 C-140
				14	Douglas DC-3
					1 C-47
					2 R4D
					3 Dakota
				15	McDonnell-Douglas DC-9
					1 C-9A
					2 VC-9C
					3 C-9B
				16	Beechcraft Super King Air 200/B200
					1 C-12
				17	Bell/Boeing V-22 Osprey
				17	Rockwell T-39 Saberliner
			5	Antisubmarine/patrol/observation	
				1	Lockheed Model 185/285 Orion
					1 P-3
					2 P-3C
					3 UP-3

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			
					4 UP-3C
					5 EP-3
					6 P-3J
					7 P-3W
					8 P-3 AEW&C
					9 CF-140 Aurora
					10 CP-140 Arcturus
				2	Lockheed S-3 Viking
				3	Rockwell International OV-10 Bronco
					1 OV-10
					2 OV-10D Plus
				4	Schweizer SA 2-37A
					1 RG-8A
			6	EW	
				7	Grumman (General Dynamics) EF-111 Raven
					1 EF-111A
			8	Reconnaissance	
				1	Lockheed SR-71 Blackbird
					1 SR-71B
				2	Lockheed TR-1
					1 TR-1A
					2 TR-1B
				3	Lockheed U-2
					1 U-2R
					2 ER-2
				4	McDonell-Douglas F-4 Phantom II
					1 RF-4B
					2 YRF-4C
					3 RF-4C
					4 RF-4E
					5 RF-4EJ
				5	Sadler A-22 LASA

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			

6 Boeing Canada DHC-7 Airborne Reconnaissance--Low (ARL)

9 Surveillance / Command and Control / Airborne Early Warning (AEW)

1 Grumman E-2 Hawkeye
- 1 E-2C
- 2 TE-2C

2 EA-3

- 2 EA-3B

3 Boeing E-6A Mercury (TACAMO II)

4 Boeing E-3 Sentry
- 1 E-3A Airborne Warning and Control System (AWACS)
- 2 E-3B AWACS
- 3 E-3C AWACS
- 4 E-3D Sentry AEW. Mk 1
- 5 E-3F System de Detection Aeroporte

5 Boeing E-4 Advanced Airborne Command Post (AABNCP)
- 1 E-4A
- 2 E-4B

6 Boeing/Grumman E-8 (JSTARS)

20 Attack helicopter

1 McDonnell-Douglas AH-64 Apache
- 1 AH-64A
- 2 AH-64B
- 3 AH-64C
- 4 AH-64D
- 5 Petan (Cobra)

2 Bell Model 209 Hueycobra, Seacobra, Supercobra
- 1 AH-1E

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			
					2 AH-1F
					3 AH-1G
					4 AH-1J
					5 AH-1P
					6 AH-1Q
					7 AH-1R
					8 AH-1S
					9 AH-1T
					10 AH-1W
					11 AH-1W Venom
					12 TH-1S
				3	Bell AH-1(4B)W Viper
				3	Boeing/Sikorsky RAH-66 Comanche
				4	McDonnell-Douglas 500/530 Defender
					1 MH-6
					2 AH-6
					3 500MG
					4 530MG
					5 MH-6J
			21		Utility helicopter
				1	Bell model 204 Iroquois
					1 UH-1A
					2 UH-1B
					3 UH-1C
					4 UH-1E
					5 UH-1F
					6 UH-1L
					7 HH-1K
					8 TH-1F
					9 TH-1L
					10 UH-1HP
				2	Sikorsky S-70A
					1 UH-60A Blackhawk
					2 UH-60L Blackhawk
					3 EH-60C
					4 MH-60K
					5 VH-60N
					6 UH-60P

Kind	Domain	Country	Cat	Scat	Specific	
1	2	225				
					7	S-70A-1
					8	S-70A-1L
					9	S-70A-5
					10	S-70A-6
					11	S-70A-9
					12	S-70A-A9
					13	S-70A-A11
					14	S-70A-A12
					15	S-70A-A14
					16	S-70A-A16
					17	S-70A-A17
					18	S-70A-A18
					19	S-70A-A19
					20	S-70A-A20
					21	S-70A-A21
					22	S-70A-A22
					23	S-70A-A24
				3	Boeing model 107	
					1	UH-46 Sea Knight
					2	CH-46 Sea Knight
				4	S-70C	
					1	H-60
				5	Sikorsky H-76 Eagle	
			22	Antisubmarine Warfare/patrol helicopter		
				1	Kaman Seasprite and Super Seasprite	
					1	SH-2
				2	Agusta Sikorsky AS-61/ASH-3H Sea King	
					1	SH-3D
					2	SH-3H
					3	SH-3D/TS
					4	ASH-3D
					5	AS-61
				3	Sikorsky S-70B	
					1	SH-60B Seahawk
					2	SH-60F Oceanhawk
					3	HH-60H
					4	HH-60J Jayhawk

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			

5 HS.23
6 XSH-60J
7 UH-60J
8 S-70B-2

23 Cargo helicopter

1 Boeing Models 114/414
1 CH-47 Chinook
2 CH-47B
3 CH-47C
4 CH-47D
2 CH-147
3 Chinook HC.Mk 1
4 Chinook HC.Mk 2
5 HT.17

2 Sikorsky S-80/H-53
1 CH-53E Super Stallion
2 MH-53E Sea Dragon
3 S-80E
4 S-80M

3 Sikorsky S-65A
1 CH-53A Sea Stallion
2 HH-53B
3 HH-53C
4 CH-53A
5 CH-53D

24 Observation helicopter

1 Bell Kiowa
1 OH-58
2 CH-136
3 OH-58C

2 Bell Model 406 AHIP
1 OH-58D Kiowa/Kiowa Warrior

3 Bell Model 406 CS Combat Scout
2 MH-58D Combat Scout

25 Special Operations helicopter

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			

1 Sikorsky S-70A
    1 MH-60A
    2 MH-60G Pave Hawk
    3 MH-60K
    4 MH-60L

2 Boeing models 114/414
    1 MH-47E

3 Sikorsky S-65/MH-53J Pave Low III Enhanced
    1 HH-53B
    2 HH-53C
    3 CH-53C
    4 MH-53J

4 McDonnell-Douglas 500/530 Defender
    1 MH-6

40 Trainers

1 Cessna 172
    1 T-41

2 Cessna 318
    1 T-37

3 Northrop Talon
    1 T-38

4 McDonnell-Douglas/BAe T45TS
    1 T-45 Goshawk

5 Beechcraft T-34C
    1 T-34C

6 Beechcraft Sierrra 200/Sundowner 180
    1 CT-134A Musketeer II

7 Lockheed T-33

8 Beechcraft Model 400A Beechjet
    1 T-1A Jayhawk

Kind	Domain	Country	Cat	Scat	Specific
1	2	225			

50 Unmanned Air Vehicle

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			

1 Carrier

1 Nimitz Class
- 1 CVN 68 Nimitz
- 2 CVN 69 Dwight D. Eisenhower
- 3 CVN 70 Carl Vinson
- 4 CVN 71 Theodore Roosevelt
- 5 CVN 72 George Washington
- 6 CVN 73 Abraham Lincoln
- 7 CVN 74 John C. Stennis
- 8 CVN 75 United States

2 Enterprise Class
- 1 CVN 65 Enterprise

3 Kitty Hawk/John F. Kennedy Class
- 1 CV 63 Kitty Hawk
- 2 CV 64 Constellation
- 3 CV 66 America
- 4 CV 67 John F. Kennedy

4 Forrestal Class
- 1 AVT 59 Forrestal
- 2 CV 60 Saratoga
- 3 CV 61 Ranger
- 4 CV 62 Independence

2 Command Ship/Cruiser

1 Blue Ridge Class
- 1 LCC 19 Blue Ridge
- 2 LLC 20 Mount Whitney

2 Raleigh and Austin Classes
- 1 AGF 11 Coronado
- 2 AGF 3 La Salle

3 Guided Missile Cruiser

1 Ticonderoga Class
- 1 CG 47 Ticonderoga
- 2 CG 48 Yorktown
- 3 CG 49 Vincennes
- 4 CG 50 Valley Forge

Kind	Domain	Country	Cat	Scat	Specific	
1	3	225				
					5	CG 51 Thomas S. Gates
					6	CG 52 Bunker Hill
					7	CG 53 Mobile Bay
					8	CG 54 Antietam
					9	CG 55 Leyte Gulf
					10	CG 56 San Jacinto
					11	CG 57 Lake Champlain
					12	CG 58 Philippine Sea
					13	CG 59 Princeton
					14	CG 60 Normandy
					15	CG 61 Monterey
					16	CG 62 Chancellorsville
					17	CG 63 Cowpens
					18	CG 64 Gettysburg
					19	CG 65 Chosin
					20	CG 66 Hue City
					21	CG 67 Shiloh
					22	CG 68 Anzio
					23	CG 69 Vicksburg
					24	CG 70 Lake Erie
					25	CG 71 Cape St. George
					26	CG 72 Vella Gulf
					27	CG 73 Port Royal
				2	Virginia Class	
					1	CGN 38 Virginia
					2	CGN 39 Texas
					3	CGN 40 Mississippi
					4	CGN 41 Arkansas
				3	California Class	
					1	CGN 36 California
					2	CGN 37 South Carolina
				4	Truxtun Class	
					1	CGN 35 Truxtun
				5	Belknap Class	
					1	CG 26 Belknap
					2	CG 27 Josephus Daniels
					3	CG 28 Wainwright
					4	CG 29 Jouett
					5	CG 30 Horne
					6	CG 31 Sterett

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					7 CG 32 W.H. Standley
					8 CG 33 Fox
					9 CG 34 Biddle
				6	Bainbridge Class
					1 CGN 25 Bainbridge
				7	Leahy Class
					1 CG 16 Leahy
					2 CG 17 Harry E. Yarnell
					3 CG 18 Worden
					4 CG 19 Dale
					5 CG 20 R.K. Turner
					6 CG 21 Gridley
					7 CG 22 England
					8 CG 23 Halsey
					9 CG 24 Reeves
				9	Long Beach Class
					1 CGN 9 Long Beach
			4		Guided Missile Destroyer
				1	Arleigh Burke Class
					1 DDG 51 Arleigh Burke
					2 DDG 52 Barry
					3 DDG 53 John Paul Jones
					4 DDG 54 Curtis Wilbur
					5 DDG 55 Stout
					6 DDG 56 John S. McCain
					7 DDG 57 Mitscher
					8 DDG 58 Laboon
					9 DDG 59 Russell
					10 DDG 60 Paul Hamilton
					11 DDG 61 Ramage
					12 DDG 62 Fitzgerald
					13 DDG 63 Stethem
					14 DDG 64 Carney
					15 DG 65 Benfold
					16 DG 66 Gonzalez
					17 DG 67 Cole
				2	Kidd Class
					1 DDG 993 Kidd

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					2 DDG 994 Callaghan
					3 DDG 995 Scott
					4 DDG 996 Chandler
				3 Coontz Class	
					1 DDG 39 MacDonough
					2 DDG 43 Dahlgren
				4 Charles F. Adams Class	
					1 DDG 2 Charles F. Adams
			5 Destroyer		
				1 Spruance Class	
					1 DD 963 Spruance
					2 DD 964 Paul F. Foster
					3 DD 965 Kinkaid
					4 DD 966 Hewitt
					5 DD 967 Elliott
					6 DD 968 A. W. Radford
					7 DD 969 Peterson
					8 DD 970 Caron
					9 DD 971 David R. Ray
					10 DD 972 Olendorf
					11 DD 973 John Young
					12 DD 974 Comte De Grasse
					13 DD 975 O'Brien
					14 DD 976 Merrill
					15 DD 977 Briscoe
					16 DD 978 Stump
					17 DD 979 Conolly
					18 DD 980 Moosebrugger
					19 DD 981 John Hancock
					20 DD 982 Nicholson
					21 DD 983 John Rodgers
					22 DD 984 Leftwich
					23 DD 985 Cushing
					24 DD 986 Harry W. Hill
					25 DD 987 O'Bannon
					26 DD 988 Thorn
					27 DD 989 Deyo
					28 DD 990 Ingersoll
					29 DD 991 Fife
					30 DD 992 Fletcher

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					31 DD 993 Hayler
			6	Guided Missile Frigate	
				1	Oliver Perry Class
					1 FFG 7 O.H. Perry
					2 FFG 8 McInerney
					3 FFG 9 Wadsworth
					4 FFG 10 Duncan
					5 FFG 11 Clark
					6 FFG 12 George Philip
					7 FFG 13 Sam E. Morison
					8 FFG 14 Sides
					9 FFG 15 Estocin
					10 FFG 16 Clifton Sprauge
					11 FFG 19 John A. Moore
					12 FFG 20 Antrim
					13 FFG 21 Flatley
					14 FFG 22 Fahrion
					15 FFG 23 Lewis B. Puller
					16 FFG 24 Jack Williams
					17 FFG 25 Copeland
					18 FFG 26 Gallery
					19 FFG 27 M. S. Tisdale
					20 FFG 28 Boone
					21 FFG 29 S. W. Groves
					22 FFG 30 Reid
					23 FFG 31 Stark
					24 FFG 32 John L. Hall
					25 FFG 33 Jarrett
					26 FFG 34 Aubrey Fitch
					27 FFG 36 Underwood
					28 FFG 37 Crommelin
					29 FFG 38 Curts
					30 FFG 39 Doyle
					31 FFG 40 Halyburton
					32 FFG 41 McClusky
					33 FFG 42 Klakring
					34 FFG 43 Thatch
					35 FFG 45 De Wert
					36 FFG 46 Rentz
					37 FFG 47 Nicholas
					38 FFG 48 Vandegrift
					39 FFG 49 R. G. Bradley

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					40 FFG 50 Jesse L. Taylor
					41 FFG 51 Gary
					42 FFG 52 Carr
					43 FFG 53 Hawes
					44 FFG 54 Ford
					45 FFG 55 Elrod
					46 FFG 56 Simpson
					47 FFG 57 Reuben James
					48 FFG 58 Sam B. Roberts
					49 FFG 59 Kauffman
					50 FFG 60 Rodney M. Davis
					51 FFG 61 Ingraham
			7	Light/patrol craft	
			8	Mine countermeasure ship/craft	
				1 Osprey class	
					1 MHC 51 Osprey
					2 MHC 52 Heron
					3 MHC 53 Pelican
					4 MHC 54 Robin
					5 MHC 55 Oriole
					6 MHC 56 Kingfisher
					7 MHC 57 Cormorant
				2 Avenger Class	
					1 MCM 1 Avenger
					2 MCM 2 Defender
					3 MCM 3 Sentry
					4 MCM 4 Champion
					5 MCM 5 Guardian
					6 MCM 6 Devastator
					7 MCM 7 Patriot
					8 MCM 8 Scout
					9 MCM 9 Pioneer
					10 MCM 10 Warrior
					11 MCM 11 Gladiator
					12 MCM 12 Ardent
					13 MCM 13 Dextrous
					14 MCM 14 Chief
				3 Acme Class	
					2 MSO 511 Affray

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
				4	Agile/Aggressive Class
					1 MSO 427 Constant
					5 MSO 439 Excel
					6 MSO 440 Exploit
					10 MSO 446 Fortify
					12 MSO 449 Impervious
					16 MSO 488 Conquest
					17 MSO 489 Gallant
					19 MSO 492 Pledge
			9	Dock Landing Ship	
				1	Whidbey Island Class
					1 LSD 1 Whidbey Island
					2 LSD 2 Germantown
					3 LSD 43 Fort McHenry
					4 LSD 44 Gunston Hall
					5 LSD 45 Comstock
					6 LSD 46 Tortuga
					7 LSD 47 Rushmore
					8 LSD 48 Ashland
					9 LSD 49 Harpers Ferry
					10 LSD 50 Carter Hall
					11 LSD 51 Oak Hill
				2	Anchorage Class
					1 LSD 36 Anchorage
					2 LSD 37 Portland
					3 LSD 38 Pensacola
					4 LSD 39 Mount Vernon
					5 LSD 40 Fort Fisher
			10	Tank Landing Ship	
				1	Newport Class
					1 LST 1179 Newport
					2 LST 1180 Manitowac
					3 LST 1181 Sumter
					4 LST 1182 Fresno
					5 LST 1183 Peoria
					6 LST 1184 Frederick
					7 LST 1185 Schenectady
					8 LST 1186 Cayuga
					9 LST 1187 Tuscaloosa

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					10 LST 1188 Saginaw
					11 LST 1189 San Bernardino
					12 LST 1190 Boulder
					13 LST 1191 Racine
					14 LST 1192 Spartanburg County
					15 LST 1193 Fairfax County
					16 LST 1194 La Moure County
					18 LST 1196 Harlan County
					19 LST 1197 Barnstable County
					20 LST 1198 Bristol County
			11 Landing Craft		
			14 Hydrofoil		
				1 Pegasus class	
					1 PHM 1 Pegasus
					2 PHM 2 Hercules
					3 PHM 3 Taurus
					4 PHM 4 Aquila
					5 PHM 5 Aries
					6 PHM 6 Gemini
			16 Auxiliary		
				1 Cimarron class (Fleet Oilers)	
					1 AO 177 Cimarron
					2 AO 178 Monongahela
					3 AO 179 Merrimack
					4 AO 180 Willamette
					5 AO 186 Platte
				8 Wichita class (Replenishment Oilers)	
					1 AOR 1 Wichita
					2 AOR 2 Milwaukee
					3 AOR 3 Kansas City
					4 AOR 4 Savannah
					5 AOR 5 Wabash
					6 AOR 6 Kalamazoo
					7 AOR 7 Roanoke
				12 Vulcan class (Repair Ship)	
					1 AR 8 Jason

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			

13 Fulton class (Submarine Tenders)
- 1 AS 18 Orion

14 Proteus class (Submarine Tenders)
- 1 AS 19 Proteus

15 Hunley class (Submarine Tenders)
- 1 AS 31 Hunley
- 2 AS 32 Holland

16 Simon Lake class (Submarine Tenders)
- 1 AS 33 Simon Lake
- 2 AS 34 Canopus

17 Spear class (Submarine Tenders)
- 1 AS 36 L. Y. Spear
- 2 AS 37 Dixon

18 Emory S. Land class (Submarine Tenders)
- 1 AS 39 Emory S. Land
- 2 AS 40 Frank Cable
- 3 AS 41 McKee

19 Bolster class (Salvage Ships)
- 1 ARS 8 Preserver
- 2 ARS 38 Bolster
- 3 ARS 39 Conserver
- 4 ARS 40 Hoist
- 5 ARS 41 Opportune
- 6 ARS 42 Reclaimer
- 7 ARS 43 Recovery

20 Safeguard class (Salvage Ships)
- 1 ARS 50 Safeguard
- 2 ARS 51 Grasp
- 3 ARS 52 Salvor
- 4 ARS 53 Grapple

21 Edenton class (Salvage Ships)
- 1 ATS 1 Edenton
- 2 ATS 2 Beaufort
- 3 ATS 3 Brunswick

22 Chanticleer class (Submarine Rescue)

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					1 ASR 13 Kittiwake
					2 ASR 15 Sunbird
				22	Pigeon class (Submarine Rescue)
					1 ASR 21 Pigeon
					2 ASR 22 Ortolan
				23	Abnaki class (Fleet Ocean Tugs)
					1 ATF 159 Paiute
					2 ATF 160 Papago
			17	Auxiliary, Merchant Marine	
				1	Fleet Ballistic Missile Support Ships (Naval Fleet)
					1 TAK 282 Marshfield
					2 TAK 286 Vega
				2	Ammunition Ship (Naval Fleet)
					1 TAE 26 Kilauea
				3	Fleet Stores Ship (Naval Fleet)
					1 TAF 58 Rigel
				4	Combat Stores Ships (Naval Fleet)
					1 TAFS 8 Sirius
					2 TAFS 9 Spica
					3 TAFS 10 Saturn
				5	Neosho class (Naval Fleet Oilers)
					1 TAO 143 Neosho
					2 TAO 146 Kawishiwi
					3 TAO 148 Ponchatoula
				6	Henry J. Kaiser class (Naval Fleet Oilers)
					1 TAO 187 Henry J. Kaiser
					2 TAO 188 Joshua Humphreys
					3 TAO 189 John Lenthall
					4 TAO 190 Andrew J. Higgins
					5 TAO 191 Benjamin Isherwood
					6 TAO 192 Henry Eckford
					7 TAO 193 Walter S. Diehl
					8 TAO 194 John Ericsson
					9 TAO 195 Leroy Grumman

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					10 TAO 196 Kanawha
					11 TAO 197 Pecos
					12 TAO 198 Big Horn
					13 TAO 199 Tippecanoe
					14 TAO 200 Guadaloupe
					15 TAO 201 Patuxent
					16 TAO 202 Yukon
					17 TAO 203 Laramie
					18 TAO 204 Rappahannock
				7	Powhatan class (Fleet Ocean Tugs)
					1 TATF 166 Powhatan
					2 TATF 167 Narragansett
					3 TATF 168 Catawba
					4 TATF 169 Navajo
					5 TATF 170 Mohawk
					6 TATF 171 Sioux
					7 TATF 172 Apache
					19 TAGOS 19 Victorious (Small Water-Plane Area Twin Hull: SWATH)
					20 TAGOS 20 Able (SWATH)
					21 TAGOS 21 Effective (SWATH)
					22 TAGOS 22 Loyal (SWATH)
					23 TAGOS 23 Impeccable (SWATH)
				9	Maritime Prepositioning Ships (MPS)
					1 TAK 3000 Cpl Louis Hauge Jr.
					2 TAK 3001 Pfc William Baugh
					3 TAK 3002 Pfc James Anderson Jr.
					4 TAK 3003 1st Lt Alexander Bonnyman Jr.
					5 TAK 3004 Pvt Harry Fisher
					6 TAK 3005 Sgt Matej Kocak
					7 TAK 3006 Pfc Eugene A. Obregon
					8 TAK 3007 Maj Stephen W. Pless
					9 TAK 3008 2nd Lt John P. Bobo
					10 TAK 3009 Pfc Dewayne T. Williams
					11 TAK 3010 1st Lt Baldomero Lopez
					12 TAK 3011 1st Lt Jack Lummus
					13 TAK 3012 Staff Sgt William R. Button
				10	Lash (Preposition)
					1 TAK 1015 Green Island
					2 TAK 2043 American Kestrel

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					3 TAK 2046 Austral Rainbow
					4 TAK 2064 Green Harbour
				11	Freighters (Preposition)
					1 TAK 5076 Noble Star
					2 TAK 2040 Advantage
					3 TAK 2062 American Cormorant
				12	Tankers (PRE-POSITION)
					1 TAOT 170 Sealift China Sea
					2 TAOT 181 Potomac
				13	Tankers (Ocean Transportation)
					1 TAOT 168 Sealift Pacific
					2 TAOT 169 Sealift Arabian Sea
					3 TAOT 171 Sealift Indian Ocean
					4 TAOT 172 Sealift Atlantic
					5 TAOT 173 Sealift Mediterranean
					6 TAOT 174 Sealift Caribbean
					7 TAOT 175 Sealift Arctic
					8 TAOT 176 Sealift Antarctic
					9 TAOT 1121 Gus W. Darnell
					10 TAOT 1122 Paul Buck
					11 TAOT 1123 Samuel L. Cobb
					12 TAOT 1124 Richard G. Matthieson
					13 TAOT 1125 Lawrence H. Gianella
				14	Fast Sealift Ships (Strategic Sealift)
					1 TAKR 287 Algol
					2 TAKR 288 Bellatrix
					3 TAKR 289 Denebola
					4 TAKR 290 Pollux
					5 TAKR 291 Altair
					6 TAKR 292 Regulus
					7 TAKR 293 Capella
					8 TAKR 294 Antares
				15	Aviation Support Ships (Strategic Sealift)
					1 TAVB 3 Wright
					2 TAVB 4 Curtiss
				16	Hospital Ships (Strategic Sealift)
					1 TAH 19 Mercy
					2 TAH 20 Comfort

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			

17 Frigate Research Ship (Special Mission Support)
- 1 T-AGFF1 Glover

18 Missile Range Instrumentation Ships (Special Mission Support)
- 1 TAGM 20 Redstone
- 2 TAGM 22 Range Sentinel
- 3 TAGM 23 Observation Island

19 Oceanographic Research Ships (Special Mission Support)
- 1 TAGOR 10 Thomas Washington (loan)
- 2 TAGOR 12 De Steigeur
- 3 TAGOR 13 Bartlett
- 4 TAGOR 14 Melville (loan)
- 5 TAGOR 15 Knorr (loan)
- 6 TAGOR 21 Gyre (loan)
- 7 TAGOR 22 Moana Wave (loan)
- 8 TAGOR 23 Thomas G. Thompson (loan)
- 9 TAGOR 195 Hayes

20 Surveying Ships (Special Mission Support)
- 1 TAGS 26 Silas Bent
- 2 TAGS 27 Kane
- 3 TAGS 29 Chauvenet
- 4 TAGS 32 Harkness
- 5 TAGS 33 Wilkes
- 6 TAGS 34 Wyman
- 7 TAGS 39 Maury
- 8 TAGS 40 Tanner
- 9 TAGS 45 Waters
- 10 TAGS 51 John McDonnell
- 11 TAGS 52 Littlehales
- 12 TAGS 60 Pathfinder
- 13 TAGS 61 Sumner

21 Navigation Test Support Ship (Special Mission Support)
- 1 TAG 194 Vanguard

22 Cable Repair Ships (Special Mission Support)
- 1 TARC 6 Albert J. Myer
- 2 TARC 7 Zeus

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			

23 Deep Submergence Support Ship (Special Mission Support)
1 TAGDS 2 Point Loma

50 Frigate

1 Knox Class
5 FF 1056 Connole
12 FF 1063 Reasoner
13 FF 1064 Lockwood
14 FF 1065 Stein
15 FF 1066 Marvin Shields
16 FF 1067 F. Hammond
17 FF 1068 Vreeland
19 FF 1070 Downes
22 FF 1073 R. E. Peary
23 FF 1074 Harold E. Holt
24 FF 1075 Trippe
25 FF 1076 Fanning
26 FF 1077 Ouellet
27 FF 1078 Joseph Hewes
28 FF 1079 Bowen
29 FF 1080 Paul
30 FF 1081 Aylwin
31 FF 1082 E. Montgomery
32 FF 1083 Cook
33 FF 1084 McCandless
34 FF 1085 D. B. Beary
36 FF 1087 Kirk
38 FF 1089 J. L. Brown
39 FF 1090 Ainsworth
41 FF 1092 T. C. Hart
42 FF 1093 Capodanno
43 FF 1094 Pharris
44 FF 1095 Truett
46 FF 1097 Moinester

51 Battleship

52 Heavy Cruiser

53 Destroyer Tender

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
				1	Sam Gompers/Yellowstone Class
					1 AD 37 Samuel Gompers
					2 AD 38 Puget Sound
					3 AD 41 Yellowstone
					4 AD 42 Acadia
					5 AD 43 Cape Cod
					6 AD 44 Shenandoah
				2	Dixie Class
					1 AD 15 Prairie
					2 AD 18 Sierra
					3 AD 19 Yosemite
			54	Amphibious Assault Ship	
				1	Tarawa Class
					1 LHA 1 Tarawa
					2 LHA 2 Saipan
					3 LHA 3 Belleau Wood
					4 LHA 4 Nassau
					5 LHA 5 Peleliu
				2	Iwo Jima Class
					1 LPH 2 Iwo Jima
					2 LPH 3 Okinawa
					3 LPH 7 Guadalcanal
					4 LPH 9 Guam
					5 LPH 10 Tripoli
					6 LPH 11 New Orleans
					7 LPH 12 Inchon
				3	Wasp Class
					1 LHD 1 Wasp
					2 LHD 2 Essex
					3 LHD 3 Kearsage
					4 LHD 4 Boxer
					5 LHD 5 Bataan
			55	Amphibious Cargo Ship	
				1	Charleston Class
					1 LKA 113 Charleston
					2 LKA 114 Durham
					3 LKA 115 Mobile

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					4 LKA 116 St. Louis
					5 LKA 117 El Paso
			56 Amphibious Transport Dock		
				1 Austin Class	
					1 LPD 4 Austin
					2 LPD 5 Ogden
					3 LPD 6 Duluth
					4 LPD 7 Cleveland
					5 LPD 8 Dubuque
					6 LPD 9 Denver
					7 LPD 10 Juneau
					8 LPD 12 Shreveport
					9 LPD 13 Nashville
					10 LPD 14 Trenton
					11 LPD 15 Ponce
			57 Ammunition Ship		
				1 Kilauea Class	
					1 T-AE 26 Kilauea
					2 AE 27 Butte
					3 AE 28 Santa Barbara
					4 AE 29 Mount Hood
					5 AE 32 Flint
					6 AE 33 Shasta
					7 AE 34 Mount Baker
					8 AE 35 Kiska
				2 Suribachi Class	
					1 AE 21 Suribachi
					2 AE 22 Mauna Kea
				2 Nitro Class	
					1 AE 23 Nitro
					2 AE 24 Pyro
					3 AE 25 Haleakala
			58 Combat Stores Ship		
				2 Mars Class	
					1 AFS 1 Mars
					2 AFS 2 Sylvania

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			
					3 AFS 3 Niagara Falls
					4 AFS 4 White Plains
					5 AFS 5 Concord
					6 AFS 6 San Diego
					7 AFS 7 San Jose
			59		Surveillance Towed Array Sonar System (SURTASS)
				8	Stalwart Class (Ocean Surveillance)
					1 TAGOS 1 Stalwart
					2 TAGOS 2 Contender
					3 TAGOS 3 Vindicator
					4 TAGOS 4 Triumph
					5 TAGOS 5 Assurance
					6 TAGOS 6 Persistent
					7 TAGOS 7 Indomitable
					8 TAGOS 8 Prevail
					9 TAGOS 9 Assertive
					10 TAGOS 10 Invincible
					11 TAGOS 11 Audacious
					12 TAGOS 12 Bold
					13 TAGOS 13 Adventurous
					14 TAGOS 14 Worthy
					15 TAGOS 15 Titan
					16 TAGOS 16 Capable
					17 TAGOS 17 Intrepid
					18 TAGOS 18 Relentless
				2	SWATH-S (Small) class
					1 TAGOS 19 Victorious
					2 TAGOS 20 Able
					3 TAGOS 21 Effective
					4 TAGOS 22 Loyal
				3	SWATH-L (Large) class
					1 TAGOS 23 Impeccable
			60		Fast Combat Support Ship
				1	Sacramento Class
					1 AOE1 Sacramento
					2 AOE2 Camden
					3 AOE3 Seattle
					4 AOE4 Detroit

Kind	Domain	Country	Cat	Scat	Specific
1	3	225			

2 Supply Class
- 1 AOE6 Supply
- 2 AOE7 Rainier
- 3 AOE8 Arctic

Kind	Domain	Country	Cat	Scat	Specific
1	4	225			

1 SSBN (Nuclear Ballistic Missile)

1 James Madison class
- 1 SSBN 629 Daniel Boone
- 2 SSBN 630 John C. Calhoun
- 3 SSBN 632 Von Steuben
- 4 SSBN 633 Casimir Pulaski
- 5 SSBN 634 Stonewall Jackson

2 Benjamin Franklin class
- 1 SSBN 640 Benjamin Franklin
- 2 SSBN 641 Simon Bolivar
- 3 SSBN 642 Kamehameha
- 4 SSBN 643 George Bancroft
- 5 SSBN 645 James K. Polk
- 6 SSBN 655 Henry L. Stimson
- 7 SSBN 657 Francis Scott Key
- 8 SSBN 658 Mariano G. Vallejo

3 Ohio class
- 1 SSBN 726 Ohio
- 2 SSBN 727 Michigan
- 3 SSBN 728 Florida
- 4 SSBN 729 Georgia
- 5 SSBN 730 Henry M. Jackson
- 6 SSBN 731 Alabama
- 7 SSBN 732 Alaska
- 8 SSBN 733 Nevada
- 9 SSBN 734 Tennessee
- 10 SSBN 735 Pennsylvania
- 11 SSBN 736 West Virginia
- 12 SSBN 737 Kentucky
- 13 SSBN 738 Maryland
- 14 SSBN 739 Nebraska
- 15 SSBN 740 Rhode Island
- 16 SSBN 741 Maine
- 17 SSBN 742 Wyoming

3 SSN (Nuclear Attack-Torpedo)

1 Seawolf class
- 1 SSN 21 Seawolf

2 Sturgeon class

Kind	Domain	Country	Cat	Scat	Specific
1	4	225			

1 SSN 637 Sturgeon
2 SSN 638 Whale
3 SSN 639 Tautog
4 SSN 646 Grayling
5 SSN 647 Pogy
6 SSN 648 Aspro
7 SSN 649 Sunfish
8 SSN 650 Pargo
9 SSN 652 Puffer
10 SSN 653 Ray
11 SSN 660 Sand Lance
12 SSN 662 Gurnard
13 SSN 663 Hammerhead
14 SSN 666 Hawkbill
15 SSN 667 Bergall
16 SSN 668 Spadefish
17 SSN 669 Seahorse
18 SSN 670 Finback
19 SSN 672 Pintado
20 SSN 673 Flying Fish
21 SSN 674 Trepang
22 SSN 675 Bluefish
23 SSN 676 Billfish
24 SSN 677 Drum
25 SSN 678 Archerfish
26 SSN 679 Silversides
27 SSN 680 William H. Bates
28 SSN 681 Batfish
29 SSN 682 Tunny
30 SSN 683 Parche
31 SSN 684 Cavalla
32 SSN 686 L. Mendel Rivers
33 SSN 687 Richard B. Russell

3 Narwhal class
1 SSN 671 Narwhal

4 Los Angeles class
1 SSN 688 Los Angeles
2 SSN 689 Baton Rouge
3 SSN 690 Philadelphia
4 SSN 691 Memphis
5 SSN 692 Omaha
6 SSN 693 Cincinnati

Kind	Domain	Country	Cat	Scat	Specific		
1	4	225					
					7	SSN 694	Groton
					8	SSN 695	Birmingham
					9	SSN 696	New York City
					10	SSN 697	Indianapolis
					11	SSN 698	Bremerton
					12	SSN 699	Jacksonville
					13	SSN 700	Dallas
					14	SSN 701	La Jolla
					15	SSN 702	Phoenix
					16	SSN 703	Boston
					17	SSN 704	Baltimore
					18	SSN 705	City of Corpus Christi
					19	SSN 706	Albuquerque
					20	SSN 707	Portsmouth
					21	SSN 708	Minneapolis-Saint Paul
					22	SSN 709	Hyman G. Rickover
					23	SSN 710	Augusta
					24	SSN 711	San Francisco
					25	SSN 712	Atlanta
					26	SSN 713	Houston
					27	SSN 714	Norfolk
					28	SSN 715	Buffalo
					29	SSN 716	Salt Lake City
					30	SSN 717	Olympia
					31	SSN 718	Honolulu
					32	SSN 719	Providence
					33	SSN 720	Pittsburgh
					34	SSN 721	Chicago
					35	SSN 722	Key West
					36	SSN 723	Oklahoma City
					37	SSN 724	Louisville
					38	SSN 725	Helena
					39	SSN 750	Newport News
					40	SSN 751	San Juan
					41	SSN 752	Pasadena
					42	SSN 753	Albany
					43	SSN 754	Topeka
					44	SSN 755	Miami
					45	SSN 756	Scranton
					46	SSN 757	Alexandria
					47	SSN 758	Asheville
					48	SSN 759	Jefferson City
					49	SSN 760	Annapolis
					50	SSN 761	Springfield

Kind	Domain	Country	Cat	Scat	Specific		
1	4	225					
					51	SSN 762	Columbus
					52	SSN 763	Santa Fe
					53	SSN 764	Boise
					54	SSN 765	Montpelier
					55	SSN 766	Charlotte
					56	SSN 767	Hampton
					57	SSN 768	Hartford
					58	SSN 769	Toledo
					59	SSN 770	Tucson
					60	SSN 771	Columbia
					61	SSN 772	Greeneville
					62	SSN 773	Cheyenne
				5	Dolphin Class		
					1	AGSS 555 Dolphin	

Kind	Domain	Country	Cat	Scat	Specific
1	5	225			

0 Other
- 1 Space Shuttle Vehicle
- 2 National Launch System (NLS)
- 3 National Aerospace Plane (NASP)

1 Manned orbiting platforms

- 1 Space Shuttle Orbiter
  - 1 Atlantis
  - 2 Discovery
  - 3 Columbia
  - 4 Endeavor
  - 5 Enterprise
- 2 Space Station
  - 1 Freedom

2 Unmanned satellites

- 1 Communication
  - Leasat
  - 2 DSCS
  - 3 Fleetsatcom
  - 4 Milstar
  - 5 SDS
  - 6 Tactical Data Relay Satellite System (TDRSS)
  - 7 Lightsat
  - 8 STEP/Eagle
  - 9 LES/Tacsat
- 2 Navigation
  - 1 Transit
  - 2 Global Positioning System (GPS)
  - 3 Navstar 41-60 (launch 1996 or 1997)
- 3 Early Warning
  - 1 DSP
- 4 Electronic Intelligence (ELINT)
  - 1 Rhyolite
  - 2 Magnum
  - 3 Challet/Vortex

Kind	Domain	Country	Cat	Scat	Specific
1	5	225			
					4 Jumpseat
				5	Meteorology
					1 Defense Meteorological Satellite Program (DMSP)
				6	Ocean Surveillance
					1 White Cloud
				7	Imaging Radar Surveillance
					1 Lacrosse
				8	Optical Imaging Surveillance
					1 KH11
					2 Advanced KH11
				9	SDI
					1 Delta 181
					2 E^2I (Endo-Exoatmospheric Interceptor)
			3	Boosters	
				1	Atlas
				2	Conestoga
				3	Delta
				4	Pegasus
				5	Scout
				6	Taurus
				7	Titan

4.2.3.1.2 C.I.S. Platforms

All C.I.S. platforms have a Kind-field value of 1 and a Country-field value of 222.

Kind	Dom	Count	Cat	Scat	Specific
1	1 Land	222			
			0 Other		
				1 Bridges	
					1 PMM-2 Amphibious Bridging and Ferry System
					2 Amphibious Bridging System (Wheeled) (ABS(W))
					3 MTU-72 armored bridgelayer
					4 MTU-20 armored bridgelayer
					5 MTU armored bridgelayer
					6 TMM truck-mounted treadway
					7 KMM truck-mounted treadway
					8 DPP-40 floating bridge equipment
					9 GSP heavy amphibious ferry
					10 PVD-20 airportable
					11 PMP heavy folding pontoon
					12 PPS heavy girder floating
					13 PVM foot suspension
					14 LVM light suspension
					15 TVM heavy suspension
					16 Underwater bridge set
					17 MARM sectional arch
					18 RMM-4 portable steel fixed
					19 SARM sectional deck truss
					20 REM-500 railway and road-section
					21 NZhM-56 heavy floating railway and road
					22 Heavy barge
					23 BMK-T bridging boat
					24 BMK-130 bridging boat
					25 BMK-150 bridging boat
					26 BMK-70 bridging boat
					27 BMK-90 bridging boat
			1 Tank		
				1 T-80 MBT	
					1 T-80
					2 T-80B

Kind	Domain	Country	Cat	Scat	Specific	
1	1	222				
					3	T-80BK
					4	T-80BV
					5	T-80BVK
					6	T-80U
				2	T-72 MBT	
					1	T-72
					2	T-72M
					3	T-72K
					4	T-72A
					5	T-72AK
					6	T-72B
					7	T-72BK
					8	T-72B1
					9	T-72B1K
				3	T-64 MBT	
					1	T-64A
					2	T-64AK
					3	T-64B
					4	T-64BV
					5	T-64B1
					6	T-64B1K
					7	T-64BV1K
					8	T-64R
				4	T-62 MBT	
					1	T-62
					2	T-62K
					3	T-62M
					4	T-62MK
					5	T-62MV
					6	T-62M1
				5	T-54 MBT	
					1	T-54
					2	T-54K
					3	T-54B
					4	T-54BK
					5	T-54M
					6	T-54MK
				6	T-55 MBT	

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
					1 T-55
					2 T-55K
					3 T-55A
					4 T-55AD
					5 T-55AK
					6 T-55AM
					7 T-55AMD
					8 T-55AMK
					9 T-55AMV
					10 T-55M
					11 T-55MK
					12 T-55MVK
				8	PT-76 Amphibious light tank
					1 PT-76A
					2 PT-76B
			2		Armored fighting vehicle
				1	BMP-1
					1 BMP-1, basic model 1970
					2 BMP-1K command
					3 BMP-1K3 command
					4 BMP-1P w/ AT-4 ATGW
					5 BMP-1PK command
					6 BRM-1K recon (aka M-1976)
					7 BREM-1 recovery
					8 BREM-4 recovery
					9 BMP-1KShM unarmed command
				2	BMP-2
					1 BMP-2
					2 BMP-2D
					3 BMP-2K
					4 BMP-2 w/ KMT-8/KMT-10
					5 BVP-2 (Czech)
				3	BMP-3
					1 BMP-3 [(SIFV) M1990/1]
				3	BRDM-1 Reconnaissance vehicle
					1 BRDM-1
					2 BRDM-1-RKhb

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
					3 BRDM-U
				4	BRDM-2 Reconnaissance vehicle
					1 BRDM-2 w/ AT-2 ATGM
					2 BRDM-2 w/ AT-3 ATGM
					3 BRDM-2 w/ AT-5 ATGM
					4 BRDM-2-RKhb NBC
					5 BRDM-2U command
				5	BTR-40 Reconnaissance vehicle
					1 BTR-40
					2 BTR-40B
					3 BTR-40A anti-air
					4 BTR-40Kh chemical reconnaissance
					5 BTR-40zhd railroad
				6	BTR-152
					1 BTR-152
					2 BTR-152V
					3 BTR-152V1
					4 BTR-152V2
					5 BTR-152V3
					6 BTR-152K
					7 BTR-152U
					8 BTR-152A
				7	MT-LB tracked vehicle
					1 MT-LB 1V12
					2 MT-LB 1V13 (battery Fire Direction Center (FDC))
					3 MT-LB 1V14 (battery Command Post)
					4 MT-LB 1V15 (battalion command)
					5 MT-LB 1V16 (battalion FDC)
					6 MT-LB 1V12M (artillery C^2)
					7 MT-LB 1V13M (artillery C^2)
					8 MT-LB 1V14M (artillery C^2)
					9 MT-LB 1V15M (artillery C^2)
					10 MT-LB 1V16M (artillery C^2)
					11 MT-LB 1V21 staff command
					12 MT-LB 1V22 air defense management
					13 MT-LB 1V23 C^2
					14 MT-LB 1V24 artillery C^3
					15 MT-LB 1V25 AD management

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			

16 MT-LB R-330B jammer
17 MT-LBU command
18 MT-LB SNAR-10 radar
19 MT-LBV snow/swamp
20 MT-LB engineer
21 MT-LB ambulance
22 MT-LBR repair
23 MT-LB w/ AT-6 Anti-Tank Guided Weapon) ATGW

8 BTR-60
1 BTR-60
2 BTR-60P
3 BTR-60PA
4 BTR-60PB
5 BTR-60PU
6 BTR-60PBK command
7 BTR-60PU command
8 BTR-60PU-12 air defense command
9 BTR-601V19 FDC
10 BTR-601V18 artillery observation
11 BTR-60 R-145BM communications
12 BTR-60 R-975 forward air controller
13 BTR-60-E-351BR generator
14 BTR-60-P-238T switchboard
15 BTR-60-P-240T switchboard
16 BTR-60-P-241T field telephone

9 BTR-50 Amphibious Tracked APC
1 BTR-50P
2 BTR-50PA
3 BTR-50PK
4 BTR-50PU
5 BTR-50PU R82
6 BTR-50PU-11
7 BTR-50PUM
8 BTR-50PUR
9 BTR-50PK(B)
10 MTP technical support
11 MTK mineclearing
12 MTR-1 repair

11 BMD airborne fire support vehicle

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
					1 BMD-1
					2 BMD-1P w/ AT-3 ATGW
					3 BMD-2
					4 BMD w/ 82-mm mortar
					5 BMD KShM command
				12 BTR-70	
					1 BTR-70
					2 BTR-70 M1986/1
					3 BTR-70Kh chemical reconnaissance
					4 BTR-70 w/ AGS-17
					5 SPR-2 (poss jammer)
					6 BTR-70MS communications
					7 BTR-70KShM command/staff
					8 BTR-70 BREM repair
				13 BTR-80	
					1 BTR-80
					2 BTR-80 M1981/1 command
					3 BTR-80 RKhM-4 chemical & reconnaissance
				14 BMP-3	
			3 Armored utility vehicle		
					1 BTS-2 medium armored tower
					2 MTP maintenance vehicle
					3 IMR combat engeer vehicle
					4 IRM engineer reconnaissance vehicle
					5 BAT-2 combat engineer vehicle
					6 MT-LB engineer vehicle
					7 BTU tank-mounted bulldozer
					8 BTU-55 tank-mounted bulldozer
					9 BREM-1 recovery and repair vehicle
					10 M1977 armored recovery vehicle
					11 T-54-T armored recovery vehicle
					12 T-55-T armored recovery vehicle
					13 T-55-TK armored recovery vehicle
					14 BTR-50PK(B) amphibious recovery vehicle
					15 BREM-4 light recovery vehicle
					16 MTP-LB technical support vehicle
			4 SP artillery		

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
				1	M-1973 152-mm gun (2S3) (SO-152)
				2	M-1974 122-mm Howitzer (2S1) (SO-122)
				6	Frog-3 rocket launcher
				7	Frog-4 rocket launcher
				8	Frog-5 rocket launcher
				9	Frog-7 rocket launcher
				10	SS-1 Scud missile launcher
					1 Scud A
					2 Scud B
					3 Scud C
				12	BM-14-17 140-mm rocket launcher
				13	BM-21 122-mm rocket launcher
				14	M-1975 120-mm rocket launcher
				15	BM-24 240-mm rocket launcher
				16	BM-25 250-mm rocket launcher
				18	ZSU-23/4 Quad 23-mm AAA
				19	SA-6 SAM
					1 SA-6A
					2 SA-6B
				20	SA-9 SAM
				21	SA-13 SAM
					1 Strela-10M2
					2 Strela-10M3

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
				22	2S6 Quad 30-mm/SA-19 AD system
				23	M-1975 240-mm mortar
				24	M-1975 203-mm gun
				25	M-1976 152-mm gun (2S5)(MSTA-B)
				26	152-mm 2S19 (aka MSTA-S)
				27	120-mm Howitzer/mortar (2S9) (SO-120)
				28	120-mm Howitzer/mortar (2S23)
				29	300-mm BM-30 14/12-round multiple rocket systems (9A52 Smerch)
				30	220-mm BM-22 16-round multiple rocket system (M1977 Uragan)
				31	200-mm 4-round BMD-20 multiple rocket system
				32	140-mm 16-round RPU-14 multiple rocket system
				33	85-mm M-1945 (D-44) antitank gun
				34	ZSU-57-2 twin 57-mm anti-aircraft gun system
				35	BTR-40A w/ ZTPU-2 mount
				36	BTR-152A w/ ZTPU-2 mount
				37	BTR-152D w/ twin 14.5-mm ZPU-2 mount
				38	BTR-152 w/ twin 23-mm ZU-23
				39	BTR-152 with M53 MGs
				40	SA-4 SAM
				41	SA-8 SAM
					1 SA-8

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
					2 SA-8A
					3 SA-8B
				42	SA-10B Mod 1 SAM
				43	SA-11 SAM
				44	SA-12A SAM
				45	SA-12A ATBM
				46	SA-X-12B SAM
				47	SA-X-12B SAM (rail w/ SS-24)
				48	SA-15 SAM
				49	SA-X-17 SAM (replaces SA-11)
				50	SA-19 SAM
				51	SS-21
			5	Towed artillery	
				1	S-23 180-mm field gun
				2	M-1976 152-mm field gun
				3	D-20 152-mm gun-Howitzer
				4	D-30 122-mm gun-Howitzer
				5	M-46 130-mm field gun
				6	D-30 field Howitzer
				7	T-12/MT-12 100-mm antitank gun
				8	SD-44 gun
					1 SD-44 85-mm auxiliary-propelled field gun

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
				9	M-1966 76.2-mm mountain gun
				11	M-240 (aka M1953 or M53) 240-mm mortar
				14	2A65 (M1987) 152-mm gun/Howitzer
				16	M1943 (D-1) 152-mm Howitzer
				17	M1937 (ML-20) 152-mm gun/Howitzer
				19	D-74 122-mm field gun
				21	M1938 (M-30) 122-mm Howitzer
				22	2B16 120-mm combination gun
				23	M1944 (BS-3) 100-mm field gun
				24	D-48 85-mm antitank gun
				25	M-1945 (D-44) 85-mm antitank gun
				26	Vasilyek 82-mm automatic mortar
				27	M1942 (ZIS-3) 76-mm divisional gun
				28	SM-4-1 130-mm coastal gun
				29	SPG-9 73-mm recoilless gun
				30	B-10 82-mm recoilless gun
				31	B-11 107-mm recoilless gun
				32	KS-30 130-mm AA gun
				33	KS-19 100-mm AA gun
				34	S-60 57-mm AAA gun
				35	M1939 37-mm AAA gun
				36	ZU-23 twin 23-mm AAA gun

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
				37	14.5-mm ZPU AA MG
					1 ZPU-1
					2 ZPU-2
					3 ZPU-4
			6	Small wheeled utility vehicle	
					1 GAZ-69 4x4 light vehicle
					2 UAZ-469B 4x4 600-kg light vehicle
					4 LuAZ-967M amphibious battlefield support vehicle
					5 LuAZ-969 4x4 light vehicle
					6 GAZ-69A 4x4 light vehicle
					7 UAZ-452D 4x4 800-kg light vehicle
			7	Large wheeled utility vehicle	
					1 PZM-2 regimental trench-digging machine
					4 ZIL-131 6x6 3500-kg truck
					5 ZIL-151 6x6 2500-kg truck
					6 ZIL-157 6x6 2500-kg truck
					8 GAZ-66 4x4 2000-kg truck
					9 Ural-375 6x6 4000-kg truck
					10 KamAZ-4310
					11 Ural-4320 6x6 4500-kg trucks
					13 KrAZ-255B 6x6 7500-kg truck
					1 Fuel service
					14 Ural-375D 6x6 recovery vehicle
					15 Ural-4320 6x6 recovery vehicle
					16 KET-L 6x6 recovery truck

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
				17	GAZ-53 4x2 3000-kg truck
				18	Ural-377 6x4 7500-kg truck
				19	ZIL-133 6x4 8000 kg-truck
				20	YaAZ-214 6x6 7000-kg truck
				21	KrAZ-214 6x6 7000-kg truck
				22	KrAZ-206V 6x6 tractor truck
				23	KamAZ-5320 6x4 8000-kg truck
				24	KrAZ-260 6x6 9000-kg truck
				25	KrAZ-240 6x6 9000-kg truck
				26	Ural-5323 8x8 9000-kg truck
				27	KrAZ-257 6x4 12000-kg truck
				28	ZIL-135 series 8x8 truck
				29	MAZ-543 8x8 truck
				30	BAZ-5937 6x6 special purpose vehicle
				31	BAZ-5939 6x6 special purpose vehicle
				32	MAZ-535 and MAZ-537 8x8 series
				33	TMK-2 trench-digging machine
				34	PZM regimental trench-digging machine
				35	OPS mobile water-desalination plant
				36	POU mobile water-desalination plant
				37	LBU-200 mobile well-drilling equipment
			8		Small tracked utility vehicle

Kind	Domain	Country	Cat	Scat	Specific
1	1	222			
				1	AT-L light artillery tractor
				2	AT-LM light artillery tractor
				3	ATS-59G medium artillery tractor
				4	ATS-59 medium artillery tractor
				5	MT-S medium transporter
				6	GT-SM amphibious over-snow vehicle
				7	GT-T amphibious over-snow vehicle
				8	MT-L amphibious over-snow vehicle
			9	Large tracked utility vehicle	
				1	PTS amphibious transport
				2	PTS-M amphibious vehicle
				3	PTS-2 amphibious vehicle
				4	MTK-2 armored mineclearing vehicle
				5	AT-T heavy artillery tractor
				6	MT-T heavy transporter
				7	GM-569 tractor
				8	BTM high-speed ditching machine
				9	BTM-3 high-speed ditching machine
				10	BTM-TMG high-speed ditching machine
				11	BTM-TMG2S high-speed ditching machine
				12	MDK-2 trench-digging machine
				13	MDK-2M trench-digging machine
				14	MDK-3 trench-digging machine
				15	BAT-1 high-speed tractor-mounted bulldozer
				16	BAT-M high-speed tractor-mounted bulldozer
				17	OLT high-speed tractor-mounted bulldozer
				18	OST high-speed tractor-mounted bulldozer
				19	OTT high-speed tractor-mounted bulldozer
			10	Mortar	
				6	2S4 240-mm SP
				7	M-36 82-mm
				8	M-37 82-mm
				9	M-37 82-mm "new"
				10	M-41 82-mm
				11	AM 2B9 "Vasilek" 82-mm automatic
				12	M-38 107-mm

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			

1 Fighter/Air Defense

1 MiG-31 Foxhound
- 1 MiG-31 Foxhound-A
- 2 MiG-31M Foxhound-B

2 MiG-29 Fulcrum
- 1 MiG-29 Fulcrum A
- 2 MiG-29UB Fulcrum B
- 3 MiG-29 Fulcrum C
- 4 MiG-29K Fulcrum D
- 5 MiG-29M advanced version
- 6 MiG-29 thrust vectoring
- 7 MiG-29KU ship-based trainer

3 Su-27 Flanker
- 1 Su-27 Flanker A prototypes
- 2 Su-27 Flanker B production
- 3 Su-27UB Flanker C
- 4 Su-27K Flanker D
- 5 Su-27IB

4 MiG-25 Foxbat
- 1 MiG-25P Foxbat A
- 2 MiG-25RB Foxbat B
- 3 MiG-25RBV Foxbat B
- 4 MiG-25BBT Foxbat B
- 5 MiG-25R Foxbat B
- 6 MiG-25PU Foxbat C
- 7 MiG-25RU Foxbat C
- 8 MiG-25U Foxbat C
- 9 MiG-25RBK Foxbat D
- 10 MiG-25RBS Foxbat D
- 11 MiG-25RBSh Foxbat D
- 12 MiG-25RBF Foxbat D
- 13 MiG-25PD Foxbat E
- 14 MiG-25PDS Foxbat E
- 15 MiG-25BM Foxbat F

5 MiG-23/24 Flogger
- 1 MiG-23M Flogger B
- 2 MiG-23MF Flogger B
- 3 MiG-23UB Flogger C

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
					4 MiG-23UM Flogger C
					5 MiG-23MF Flogger E
					6 MiG-23MS Flogger E
					7 MiG-23BN Flogger F
					8 MiG-23BM Flogger F
					9 MiG-23B Flogger F
					10 MiG-23ML Flogger G
					11 MiG-23P Flogger G
					12 MiG-23BK Flogger H
					13 MiG-23BN Flogger H
					14 MiG-23MLD Flogger K
					15 MiG-24 (export MiG-23)
				6	MiG-21 Fishbed/Mongol
					1 MiG-21F Fishbed C
					2 MiG-21PF Fishbed D
					3 MiG-21PFM Fishbed F
					4 MiG-21R Fishbed H
					5 MiG-21S Fishbed H
					6 MiG-21RF Fishbed H
					7 MiG-21SM Fishbed J
					8 MiG-21M (Type 96/Hindustan Aeronautics-India)
					9 MiG-21PFMA Fishbed J
					10 MiG-21MF Fishbed J
					11 MiG-21SMT Fishbed K
					12 MiG-21SMB Fishbed K
					13 MiG-21bis-A Fishbed L
					14 MiG-21bis-B Fishbed N
					15 MiG-21U Mongol A
					16 MiG-21US Mongol B
					17 MiG-21UM Mongol B
				10	Su-15 Flagon
					1 Su-15TM Flagon E
					2 Su-15bis Flagon F
					3 Su-15 trainer
				11	Tu-128 Fiddler
					1 Tu-128P Fiddler
				13	Yak-28 Firebar
					1 Yak-28P

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
					2 Yak-28PA
					3 Yak-28PB
			2 Attack/Strike		
				1 MiG-27 Flogger	
					1 MiG-27 Flogger D
					2 MiG-27K Flogger D
					3 MiG-27D Flogger J
					4 MiG-27M (Bahadur-India)
				4 Su-17 Fitter	
					1 Su-17 (S-32, Fitter C)
					2 Su-17M (S-32M, Fitter C)
					3 Su-17R Fitter C
					4 Su-17M-2/M-2D (S-32M2, Fitter D)
					5 Su-17UM-2D (U-32, Fitter E)
					6 Su-17UM-3 Fitter G
					7 Su-17M-3 (S-52, Fitter H)
					8 Su-17-1/M-2 Fitter H
					9 Su-17M-4 (S-54, Fitter K)
				5 Su-20 Fitter C (Export Su-17)	
					1 Su-20 (S32Mk, Fitter-C)
					2 Su-20R
				6 Su-22 Fitter	
					1 Su-22U Fitter E
					2 Su-22 Fitter F
					3 Su-22UM-3K Fitter G
					4 Su-22 Fitter G
					5 Su-22M-3 Fitter J
					6 Su-22M-4 Fitter K
				7 Su-24 Fencer	
					1 Su-24 Fencer B
					2 Su-24 Fencer C
					3 Su-24MK Fencer D
					4 Su-24MR Fencer E
					5 Su-24MP Fencer F
				8 Su-25 Frogfoot	
					1 Su-25 Frogfoot A

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
					2 Su-25UB Frogfoot B
					3 Su-25K (export "A")
					4 Su-25UBK (export "UB")
					5 Su-25UT Frogfoot B
					6 Su-25UTG (tailhook)
					7 Su-25T (Su-34) (antitank)
					8 Su-25BM (target towing)
				9	Su-37 multirole fighter
				10	Yak-38 Forger
					1 Yak-38 Forger A
					2 Yak-38 Forger B
			3		Bomber
				1	Tu-160 Blackjack
				2	Tu-16 Badger
					1 Tu-16A Badger A
					2 Tu-16N Badger A, tanker
					3 Tu-16T Badger A, torpedo
					4 Tu-16KS-1 Badger B
					5 Tu-16 Korvet, Search and Rescue (SAR)
					6 Tu-16 K-10 Badger C
					7 Tu-16R Badger D
					8 Tu-16 Badger E, photo reconnaissance
					9 Tu-16R Badger F, ELINT
					10 Tu-16 Badger-G, ASM carrier
					11 Tu-16K Badger G Mod
					12 Tu-16PP Badger H, chaff dispenser
					13 Tu-16PP Badger J, ECM
					14 Tu-16R Badger K, reconnaissance
					15 Tu-16 Badger L, EW
				3	Tu-26 Backfire
					1 Tu-22M-1 Backfire A
					2 Tu-22M-2 Backfire B
					3 Tu-22M-3 Backfire C
				4	Tu-22 Blinder
					1 Tu-22 Blinder-A
					2 Tu-22 Blinder-B

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
					3 Tu-22 Blinder-C, reconnaissance
					4 Tu-22U Blinder-D
					5 Tu-22 Blinder-E, EW/reconnaissance
				5	Tu-95 or Tu-142 Bear
					1 Tu-95 Bear D, sea reconnaissance
					2 Tu-95 Bear E ("A" reconnaissance conversion)
					3 Tu-95 Bear G ("B/C" ELINT conversion)
					4 Tu-95MS Bear H
					5 Tu-142 Bear F, ASW
					6 Tu-142 Bear F Mod 1
					7 Tu-142M Bear F Mod 2
					8 Tu-142 Bear F Mod 3
					9 Tu-142 Bear F Mod 4
					10 Tu-142 Bear J, VLF Communications
					11 Tu-142K Bear H
			4	Cargo/Tanker	
				1	An-124 Condor
					1 An-124
				2	An-22 Cock
					1 An-22
				3	Il-76 Candid
					1 Il-76 Candid A
					2 Il-76T Candid A, civil reserve
					3 Il-76M Candid B
					4 Il-76TD Candid A, civil reserve
					5 Il-76MD Candid B
				4	Il-20/22 Coot
					1 Il-20 Coot A, ELINT/recon (Il-18 variant)
					2 Il-22 Coot B
				5	An-12 Cub
					1 An-12BP
					2 An-12A Cub A, ELINT
					3 An-12B Cub B, SNA ELINT
					4 An-12C Cub C, SNA ECM
					5 An-12D Cub D, SNA ECM

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
				6	An-24 Coke
					1 An-24
				7	An-26 Curl
					1 An-26 Curl A, manual
					2 An-26B Curl A, pallets
					3 An-26 Curl B, SIGINT
				8	An-32 Cline
					1 An-32
					2 An-32 Sutlej (India)
				9	An-70T
					1 An-70T
				10	An-72 Coaler
					1 An-72
				11	An-225 Cossack
					1 An-225
				12	Il-78 Midas
					1 Il-78 (tanker)
				13	An-2 Colt
					1 An-2 biplane
			5	Antisubmarine/patrol/observation	
				1	II-38 May
					1 Il-38
				2	Be-12 Mail
					1 Be-12
				3	Be-42 Mermaid
					1 Be-42
				4	Tu-126 Moss
					1 Tu-126
				5	A-40 Albatross

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
					1 A-40
			9 Surveillance/C^2		
				1 A-50 Mainstay	
					1 A-50 AEW&C
				2 An-74 Madcap	
					1 An-74
			20 Attack helicopter		
				1 Mi-28 Havoc	
					1 Mi-28
				2 Mi-24/25/35 Hind	
					1 Mi-24 Hind A
					2 Mi-24 Hind B
					3 Mi-24 Hind C
					4 Mi-24D Hind D (1st gunship)
					5 Mi-24W Hind E
					6 Mi-24P Hind F
					7 Mi-24RSH Hind G1 (NBC armored)
					8 Mi-24RSH Hind G2 (reconnaissance/spotter)
					9 Mi-25 (export Mi-24D)
					10 Mi-35 (export Mi-24W)
					11 Mi-35P (export Mi-24P)
				3 Ka-50 Hokum	
					1 Ka-50 Hokum A close air support
					2 Ka-50 Hokum B tandem trainer
				4 Ka-25 Hormone	
					1 Ka-25BSh Hormone A, ASW
					2 Ka-25 Hormone B (targeting & missile guidance)
					3 Ka-25PS Hormone C (targeting & missile guidance)
			21 Utility helicopter		
				1 Mi-8/9/17/171 Hip	

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			

1 Mi-8 Hip C (assault)
2 Mi-8 Hip D (airborne communications)
3 Mi-8 Hip E "C" development, 12.7
4 Mi-8TBK (Mi-17) ("E" uprated)
5 Mi-8 Hip F ("E" export)
6 Mi-8 Hip J (ECM)
7 Mi-8PP Hip K (ECM)
8 Mi-9 Hip G (special duty & airborne communications)
9 Mi-17 Hip H (MI-8 update)
10 Mi-17P (Hip K derivative)
11 Mi-171 Hip H (hospital)
12 Mi-17 (EW)

2 Mi-14 Haze
1 Mi-14PL Haze A (ASW)
2 Mi-14PW (Polish Mi-14PL)
3 Mi-14BT Haze B (MCM)
4 Mi-14PS Haze C (SAR)

3 Mi-26 Halo
1 Mi-26 heavy transport
2 Mi-26TZ tanker
3 Mi-26 communications & support

4 Mi-6 Hook
1 Mi-6 Hook A (export)
2 Mi-6 Hook B (command support)
3 Mi-6 Hook C ("B" development, command support)

5 Mi-2 Hoplite
1 Mi-2 (only mfg in Poland)

6 Mi-4 Hound
1 Mi-4

7 Mi-10 Harke
1 Mi-10
2 Mi-10K

9 Ka-27/28/29 Helix
1 Ka-27PL Helix A (ASW)

Kind	Domain	Country	Cat	Scat	Specific
1	2	222			
					2 Ka-27PS Helix D (SAR)
					3 Ka-28 Helix A (export Ka-27PL)
					4 Ka-29TB Helix B (EW & assault)
				10 Mi-34 Hermit	
					1 Mi-34 (1 engine)
					2 Mi-34V (2 engine)
				11 Mi-38	
					1 Mi-38 (2 turbine, replaces Mi-8/17)
				12 Ka-26/126 Hoodlum	
					1 Ka-26 Hoodlum A (reciprocating)
					2 Ka-126 Hoodlum B (turbine)
			40 Trainer		
				1 Tu-134 Crusty	
					1 Tu-134UBL (bomber pilot)
					2 Tu-134Bsh (bomber navigator)

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			

1 Carrier

1 Kiev class
- 1 Kiev
- 2 Minsk
- 3 Novorossiysk

2 Ulyanovsk class (CVN)
- 1 Ulyanovsk (1996)

3 Kuznetsov class (CV)
- 1 Admiral Kuznetsov (ex-Tbilisi, ex-Leonid Brezhnev)
- 2 Varyag (ex-Riga)

4 Modified Kiev class (CV)
- 1 Admiral Gorshkov (ex-Baku)

3 Guided-missile Cruiser

1 Slava class (CG)
- 1 Slava
- 2 Marshal Ustinov
- 3 Chervona Ukraina
- 4 Admiral Lobov

2 Kirov class
- 1 Kirov
- 2 Frunze
- 3 Kalinin
- 4 Yuri Andropov

3 Kara class
- 1 Nikolayev
- 2 Ochakov
- 3 Kerch
- 4 Azov
- 5 Petropavlovsk
- 6 Tashkent
- 7 Vladivostok (ex-Tallinn)

4 Kresta II class
- 1 Kronshtadt

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 Admiral Isakov
					3 Admiral Nakhimov
					4 Khabarovsk (ex-Voroshilov)
					5 Admiral Oktyabrskiy
					6 Admiral Isachenkov
					7 Marshal Timoshenko
					8 Vasiliy Chapayev
					9 Admiral Yumashev
					10 Admiral Makarov
				5	Kresta I class
					1 Admiral Zozulya
				6	Kynda class
					1 Groznyy
					2 Admiral Fokin
					3 Admiral Golovko
			4		Guided-missile Destroyer
				1	Udaloy class
					1 Udaloy
					2 Vitse Admiral Kulakov
					3 Marshal Vasilevsky
					4 Admiral Zakharov
					5 Admiral Spiridonov
					6 Admiral Tributs
					7 Marshal Shaposhnikov
					8 Simferopol (ex-Marshal Buokenny)
					9 Admiral Levchenko
					10 Admiral Vinogradov
					11 Admiral Kharlamov
					12 Admiral Panteleyev
				2	Sovremennyy class
					1 Sovremennyy
					2 Otchayannyy
					3 Otlichnny
					4 Osmotritelny
					5 Bezuprechny
					6 Boyevoy
					7 Stoyky
					8 Okrylenny

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					9 Burny
					10 Gremyashchy
					11 Bystry
					12 Rastoropny
					13 Bezboyaznenny
					14 Bezuderzhny
					15 Bespokoiny
				3	Modified Kashin class
					3 Sderzhandoyy
					5 Smyshlennyy
				4	Kashin class
					1 Komsomolets Ukrainyy
					2 Krasnyy Kavkaz
					3 Krasnyy Krym
					4 Obraztsovyy
					5 Odarennyy
					7 Reshitelnyy
					8 Skoryy
					9 Smetlivvy
					11 Sposobnyy
			6		Guided-missile Frigate (includes Corvette)
				1	Krivak I class
					1 Bditelny
					2 Bezukoriznenny
					3 Bezzavetny
					4 Bodry
					5 Deyatelny
					6 Doblestny
					7 Dostoyny
					8 Druzhny
					9 Ladny
					10 Leningradskiy
					11 Komsomolets
					12 Letuchy
					14 Razumny
					15 Razyashchiy
					16 Retivy
					17 Silnyy
					18 Storozhevoy

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					19 Svirepyy
					20 Zadorny
					21 Zharky
					22 Pylky
					23 Poryvisty
				2	Krivak II class
					1 Bessmenny
					2 Gordelivy
					3 Gromky
					4 Grozyashchy
					5 Neukrotimy
					6 Pitlivy
					7 Razitelny
					8 Revnosttny
					9 Rezky
					10 Rezvy
					11 Ryanny
				4	Neustrashimy class (FFG)
					1 Neustrashimy
				1	Tarantul I class (Corvette)
				2	Tarantul II class (Corvette)
				3	Nanuchka I class (Corvette)
					1 Grad
					2 Raduga
					3 Suval
					4 Storm
					5 Taifun
					6 Zyklon
					7 Metl
					8 Zarnitsa
					9 Grom
					10 Molnija
					11 Musson
				4	Nanuchka III class (Corvette)
				5	Nanuchka IV class (Corvette)

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				6	Tarantul III class (Corvette)
			7	Light/Patrol craft	
				1	2/3 T 58 PGF/PGR class (patrol)
				2	Dergach class (light missile force)
					1 Sivuch
				3	OSA I class
				4	OSA II class
				5	Poti class (fast attack craft--patrol)
				6	Svetlyak class (fast attack craft--patrol)
				7	Pauk I class (fast attack craft--patrol)
				8	Zhuk class
				9	Yaz class
				10	Stenka class
				11	Piyavka class (river patrol craft)
				12	SO 1 class
				13	Shmel class (river patrol craft)
				14	TR 40 class (river patrol craft)
				15	Command ship (river patrol craft)
					1 SSV-10
				16	Potok class (torpedo experimental ships)
					1 OS-100
					2 OS-138
					3 OS-145
					4 OS-225

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				17	Shelon class (torpedo operating/patrol & target craft)
				18	Poluchat I/II/III classes (torpedo operating/patrol & target craft)
				19	Pozharny I class
				20	Iva class (fire/patrol craft)
					1 PZHK 415
					2 1514
					3 1544
					4 1547
					5 1859
				21	Vikhr class
				22	Vosh class (river patrol craft)
			8	Mine warfare	
				1	Alesha Class
					1 Pripyat
					2 Vychegda
					3 Pechora
				2	Natya I class
					1 Dizelist
					2 Miner
					3 Starshkiy
					4 Snaypr
					5 Elektrik
					6 Motorist
					7 Signalshik
					8 Turbinist
					9 Polemetchiz
					10 Rulevoy
					11 Zapal
					12 Zenitchik
					13 Radist
					14 Dobrotay
					15 Zaryad

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				3	Natya II class
				4	Yurka class
					1 Gafel
					2 Evgeniy Nikonov
					3 Mazlov
					4 Navodchik
					5 Semen Rosal
				5	T-43 class
				6	Sonya class
				7	Baltika class
				8	Vanya I class
				9	Vanya II class
				10	Sasha class
				11	Yevgenya class
				12	Pelikan class ACV (minesweeper, inshore)
				13	Lida class (minehunter, inshore)
				14	Ilyusha class (minesweeper, inshore)
				16	Olya class (minesweeper, inshore)
				17	Tanya class (minesweeper, inshore)
				18	K 8 class (minesweeping boat)
				19	Gorya class (minehunter, ocean)
					1 Zheleznyakov
			9	Dock landing ship	
				1	Ivan Rogov class
					1 Ivan Rogov

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 Aleksandr Nikolay
					3 Mitrofan Moskalenko
			10 Tank landing ship		
				1 Ropucha class	
					1 Aleksandr Shabalin
					2 Constantin Olshanskiy
					3 Tsesar Kunikov
					4 Bobruisk
				2 Alligator class	
					1 Aleksandr Tortsev
					2 Donetskiy Shakhter
					3 Krasnaya Presnya
					4 Krymskiy Kom.
					5 Nikolay Fil'chenkov
					6 Nikolay Vilkov
					7 50 Let Sheftsva Vlksm
					8 Petr Il'ichyev
					9 Sergei Lazo
					10 Tomskiy Kom.
					11 Ilya Azarov
				3 Polnocny class	
			11 Landing craft		
				4 Vydra class	
				5 Ondatra class	
			13 Cruiser/helicopter carrier		
				1 Moskva class (chg) (helicopter cruiser)	
					1 Moskva
					2 Leningrad
			14 Hydrofoil		
				3 Matka class (fast attack craft, missile hydrofoil)	
				5 Mukha class (fast attack craft, patrol hydrofoil)	
				6 Turya class (fast attack craft, torpedo hydrofoil)	
				9 Babochka class (fast attack craft, patrol hydrofoil)	

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				10	Muravey class (fast attack craft, patrol hydrofoil)
			15	Air cushion/Surface effect	
				1	Pomornik class (air-cushion vehicles)
				2	Aist class (air-cushion vehicles)
				3	Tsaplya class (air-cushion vehicles)
				4	Lebed class (air-cushion vehicles)
				5	Utenok class (air-cushion vehicles)
				6	Gus class (air-cushion vehicles)
				7	Utka class (wing-in-ground-effect craft) (air cushion)
				8	Orlan class (wing-in-ground-effect craft) (air cushion)
			16	Auxiliary	
				1	Ugra class (submarine depot ships)
					1 Ivan Kolyshkin
					2 Ivan Vakhrameev
					3 Volga
					4 Ivan Kucherenko
					5 Tobol
					6 Lentra
				2	Don class (submarine depot ships)
					1 Dmitry Galkin
					2 Kamchatsky Kkomsomolets
					3 Magomet Gadzhiev (ex-Mikhail Tukhachevsky)
					4 Viktor Kotelnikov
					5 Fedor Vidyayev
					6 Magadansky Komsomolets
				3	Aleksandr Brykin class (missile support ship)
					1 Aleksandr Brykin
				4	Amga class (missile support ships)
					1 Amga
					2 Vetluga
					3 Daugava
				5	Malina class (nuclear submarine support ships)
					1 PM 63

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 PM 74
					3 PM 12
				6	Pinega class (nuclear submarine support ships)
					1 Pinega
					2 Amur
				7	Lama class (missile support ships)
					1 General Ryabakov
					2 Voronesh
					3 PM 44
					4 PM 93
					5 PM 131
					6 PM 150
					7 PM 154
				8	Modified Andizhan class (missile support ships)
					1 Venta
					2 Vilyuy
				9	Amur I Class (Repair Ship)
					1 PM 9
					2 PM 10
					3 PM 15
					4 PM 37
					5 PM 49
					6 PM 52
					7 PM 56
					8 PM 75
					9 PM 94
					10 PM 138
					11 PM 161
					12 PM 163
					13 5
					14 30
					15 34
					16 40
					17 64
					18 73
					19 81
					20 82
					21 129
					22 139

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					23 140
					24 156
				10	Amur II Class (repair ship)
					1 59
					2 69
					3 86
					4 92
					5 97
				11	Oskol class (repair ships)
					1 PM 2
					2 PM 24
					3 PM 26
					4 PM 42
					5 PM 147
					6 PM 148
					7 20
					8 21
					9 51
					10 68
					11 146
				12	Tomba class (support ships)
					1 244
					2 254
					3 348
					4 357
				13	Vytegrales class (support & depot)
					1 Apsheron (ex-Vagales)
					2 Baskunchak (ex-Kirishi)
					3 Dauriya (ex-Vyborgles)
					4 Dikson (ex-Vostok 3)
					5 Donbas (ex-Vostok 4)
					6 Sevan (ex-Siverles)
					7 Taman (ex-Suzdal)
					8 Yamal (ex-Tosnoles)
				1	Bolva (barracks ships)
					1 Bolva 1
					2 Bolva 2
					3 Bolva 3

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				14	Vishnya class (AGIs)
					1 SSV 169
					2 SSV 175
					3 SSV 201
					4 SSV 208
					5 SSV 231
					6 SSV 520
					7 SSV 535
				15	Balzam class (AGIs)
					1 SSV 80
					2 SSV 493
					3 SSV 516
					4 SSV 571
				16	Primorye class (AGIs)
					1 SSV 464 Zabaykalye
					2 SSV 465 Primorye
					3 SSV 501 Zaporozhye
					4 SSV 502 Zakarpatye
					5 SSV 590 Krym
					6 SSV 591 Kavkaz
				17	Nikolay Zubov class (AGIs)
					1 SSV 468 Gavril Sarychev (mod)
					2 SSV 469 Semen Chelyuskin
					3 SSV 503 Khariton Laptev (mod)
				18	Modified Pamir class (AGIs)
					1 SSV 477 Peleng (ex-Arban)
				19	Moma class (AGIs)
					1 Ekvator
					2 Yupiter (mod)
					3 Kildin (mod)
					4 SSV 472 (ex-Ilmen) (mod)
					5 SSV 474 (ex-Vega) (mod)
					6 SSV 506 (ex-Nakhodka)
					7 SSV 509 (ex-Pelorus) (mod)
					8 SSV 512 (ex-Arkhipelag) (mod)
					9 SSV 514 (ex-Seliger) (mod)

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				20	Alpinist class (AGIs)
					1 GS 7 (mod)
					2 GS 8
					3 GS 19 (mod)
					4 GS 39 (mod)
				21	Mayak class
					1 Khersones
					2 Kurs
					3 Kursograf
					4 Ladoga
					5 GS 239
					6 GS 242
					7 Girorulevoy
					8 Aneroid
				22	Okean class (AGIs)
					1 Alidada*
					2 Barograf
					3 Deflektor
					4 Ekholot
					5 Krenometr
					6 Linza (mod)*
					7 Lotlin (mod)*
					8 Reduktor (mod)*
					9 Repiter
					10 Teodolit
					11 Traverz
					12 Zond (mod)* * no missiles
				23	Lentra class (AGIs)
					1 GS 41
					2 GS 43 (mod)
					3 GS 55
					4 GS 59
				24	Akademik Krylov class (naval research)
					1 Admiral Vladimirsky
					2 Ivan Kruzenshtern
					3 Leonid Demin
					4 Akademik Krylov
					5 Leonid Sobolev
					6 Mikhail Krupsky

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			

25 Abkhaziya class (naval research)
- 1 Abkhaziya
- 2 Adzhariya
- 3 Bashkiriya
- 4 Moldavia

26 Polyus class (Kovel type) (naval research)
- 1 Baykal (mod)
- 2 Balkhash (mod)
- 3 Polyus

27 Modified Dobrynya Nikitich class (naval research)
- 1 Vladimir Kavraysky

28 Nikolay Zubov class (naval research)
- 1 Aleksey Chirikov
- 2 Fedor Litke
- 3 Andrey Vilkitsky
- 4 Nikolay Zubov
- 5 Boris Davidov
- 6 Semen Dezhnev
- 7 Faddey Bellinsgausen
- 8 Vasily Golovnin

29 Yug class (naval research)
- 1 V Adm Vorontsov (ex-Briz)
- 2 Donuzlav
- 3 Gals
- 4 Gidrolog
- 5 Gorizont
- 6 Mangyshlak
- 7 Marshal Gelovani
- 8 Nikolay Matusevich
- 9 Pegas
- 10 Persey
- 11 Pluton
- 12 Senezh
- 13 Strelets
- 14 Tayga
- 15 Vizir
- 16 Zodiak

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					17 Stvor
					18 704 (ex-SSV 328)
				30	Mod Sorum class (naval research)
					1 OS 572
				31	Moma class (+9 AGIs) (naval survey)
					1 Altair
					2 Anadyr
					3 Andromeda
					4 Antares
					5 Antarktyda
					6 Arktika
					7 Askold
					8 Berezan
					9 Cheleken
					10 Elton
					11 Kolguev (mod)
					12 Krilon
					13 Liman
					14 Mars
					15 Morzhovets
					16 Okean
					17 Rybachi (mod)
					18 Sever
					19 Taymyr
					20 Zapolyarye
				32	Samara class (naval survey)
					1 Azimut
					2 Glubomer
					3 Tropik
					4 Deviator
					5 Gradus
					6 Vostok
					7 Gigrometr
					8 Kompas
					9 Vaygach (mod)
					10 Moskovsky Universitet
					11 Pamyat Merkuryia
					12 Zenit (ex-Gorizont) (mod)
					13 Rumb

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				33	Finik class (naval survey)
					1 GS 44
					2 47
					3 84
					4 86
					5 87
					6 260
					7 265
					8 270
					9 272
					10 278
					11 296
					12 297
					13 301
					14 388
					15 392
					16 397
					17 398
					18 399
					19 400
					20 401
					21 402
					22 403
					23 404
					24 405
				34	Biya class (naval survey)
					1 GS 182
					2 193
					3 194
					4 198
					5 200
					6 202
					7 204
					8 206
					9 210
					10 212
					11 214
					12 271
					13 273
					14 275
				35	Kamenka class (naval survey)

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					1 GS 66
					2 74
					3 78
					4 82
					5 107
					6 108 (ex-Vernier)
					7 113 (ex-Belbeck)
					8 118
					9 199 (ex-Sima)
					10 207
					11 211
					12 Astronom (mod)
				36	Vinograd class (naval survey)
					1 GS 525
					2 GS 526
				37	Melitopol class (naval survey)
					1 Mayak
					2 Nivelir
					3 Prizma
					4 Indigurka (mod)
					5 Shevchenoko (mod)
				38	Nyryat 1 class (naval survey)
				39	Nyryat 2 class (naval survey)
				40	Sibir class (naval missile range)
					1 Sakhalin
					2 Spassk (ex-Suchan)
				41	Marshal Nedelin class (naval missile range)
					1 Marshal Nedelin
					2 Marshal Krylov
					3 Akademik Nicolai Pilyugin
				42	Kamchatka class (AG) (naval missile range)
					1 SSV 391 Kamchatka
				43	Kapusta class (naval missile range)
					1 SSV 33 Ural

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				44	Ugra II class (AXT) (training)
					1 Borodino
					2 Gangut
				45	Smolny class (AXT) (training)
					1 Khasan
					2 Perekop
					3 Smolny
				46	Wodnik II class (AXT) (training)
					1 Luga
					2 Oka
				47	Sail training ships
					1 Mir
					2 Druzjba
					3 Khersones
					4 Pallada
				48	Klasma class (cable ships)
					1 Donets
					2 Ingul*
					3 Inguri
					4 Katun
					5 Tavda
					6 Tsna
					7 Yana* *type I
					8 Zeya
				49	Emba I class (cable ships)
					1 Emba
					2 Nepryadva
					3 Setun
				50	Emba II class (cable ships)
					1 Biriusa
					2 Kemj
				51	Berezina class (replenishment ships)
					1 Berezina
				52	Boris Chilikin class (replenishment ships)
					1 Boris Butoma

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 Genrich Gasanov
					3 Boris Chilikin
					4 Ivan Bubnov
					5 Dnestr
					6 Vladimir Kolechitsky
				53	Dubna class (replenishment tankers)
					1 Dubna
					2 Pechenga
					3 Irkut
					4 Sventa
				54	Mod Kazbek class (replenishment tankers)
					1 Alatyr
					2 Desna
					3 Volkhov
				55	Mod Altay class (replenishment tankers)
					1 Elnya
					2 Ilim
					3 Izhora
					4 Kola
					5 Prut
					6 Yegorlik
				56	Uda class (replenishment tankers)
					1 Dunay (mod)
					2 Koida
					3 Lena (mod)
					4 Terek (mod)
					5 Vishera
				57	Olekma class (replenishment tankers)
					1 Olekma (mod)
					2 Iman
					3 Zolotoy rog
				58	Kaliningradneft class (support tankers)
					1 Argun
					2 Vyazma
				59	Sofya class (support tanker)
					1 Akhtyuba (ex-Hanoi)

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				60	Nercha class (support tankers)
					1 Nara
					2 Nercha
				61	Konda class (support tankers)
					1 Konda
					2 Rossosh
					3 Soyana
					4 Yakhroma
				62	Khobi class (support tankers)
					1 Cheremshan
					2 Orsha
					3 Shelon
					4 Tartu
					5 Khobi
					6 Seima
					7 Sosva
					8 Titan 150
					9 Lovat
					10 Shacha
					11 Sysola
					12 Tunguska
					13 Metan
				63	Irtysh class (support tanker)
					1 Narva
				64	Baskunchak class (support tankers)
					1 Ivan Golubets
					2 Sovietsky Pogranichnik
				65	Luza class (special tankers)
					1 Alambai
					2 Barguzin
					3 Kama
					4 Aragvi
					5 Don
					6 Selenga
				66	Vala class (special tankers)
					1 Vala

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 TNT 11
					3 TNT 27
					4 12
					5 19
					6 25
					7 29
				67	OB class (AH)
					1 OB
					2 Yenisei
					3 Svir
					4 Irtysh
				68	Mikhail Rudnitsky class (ARs)
					1 Mikhail Rudnitsky
					2 Georgy Kozmin
					3 Georgy Titov
					4 Sayany
				69	Pamir class (salvage, rescue & mooring)
					1 Agatan
					2 Aldan
				70	Ingul class (salvage, rescue & mooring)
					1 Pamir
					2 Mashuk
					3 Alatau
					4 Karakh
				71	Sliva class (salvage, rescue & mooring)
					1 SB 406
					2 SB 408
					3 SB 921
					4 SB 922 Shakhter
				72	Kashtan class (buoy tenders)
					1 KIL 926
					2 KIL 143
					3 KIL 164
					4 KIL 498
					5 KIL 927
					6 KIL 158
					7 KIL 140

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					8 KIL 168
				73	Sura class (buoy tenders)
					1 KIL 1
					2 2
					3 21
					4 22
					5 25
					6 27
					7 29
					8 31
					9 32
					10 33
				74	Orel class (salvage tugs)
					1 SB 38
					2 SB 43
				75	Katun I class (salvage & rescue tugs)
					1 PZHS 96
					2 98
					3 123
					4 124
					5 209
					6 273
					7 279
					8 282
					9 551
				76	Katun II (salvage & rescue tugs)
					1 PZHS 64
					2 92
				77	Neptun class (salvage, rescue & mooring)
					1 KIL 3
					2 6
					3 7
					4 9
					5 11
					6 13
					7 15
					8 17
					9 18

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			

78 Elbrus class (submarine rescue ships)
- 1 Elbrus
- 2 Alagez

79 Nepa class (submarine rescue ships)
- 1 Karpaty

80 Prut class (submarine rescue ships)
- 1 Altay
- 2 Beshtau
- 3 Vladimir Trefolev
- 4 Zhiguli
- 5 SS 21
- 6 Epron (ex-SS 26)
- 7 SS 83

81 Valday class (ex-T 58)
- 1 Kazbek
- 2 Khibiny
- 3 Valday
- 4 Zangezur
- 5 Pulkovo (ex-SS 38)
- 6 SS 30
- 7 35
- 8 40
- 9 47
- 10 50

82 Anadyr class (transports)
- 1 Anadyr

83 Angara class (transports)
- 1 Angara (ex-Hela)

84 Amguema class (transports)
- 1 Yauza

85 Chulym class (transports)
- 1 Severodonetsk

86 Andizan class (transports)
- 1 Onda

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 Posyet
				87	Kalinin class (transports)
					1 Kuban (ex-Nadeshda-Krupskaya)
				88	Antonov class (transports)
					1 Neon Antonov
					2 Irbit
					3 Nicolay Starshinov
					4 Ivan Lednev
					5 Nikolay Sipyagin
					6 Ivan Sudtsov
					7 Ivan Odtejev
					8 Victor Denison
					9 Sergey Sudetsky
					10 Dvina
					11 Mikhail Konovalov
				89	Partizan class (transports)
					1 Pechora
					2 Turgay
					3 Ufa
					4 V Adm Fomin (ex-Pinega) (mod)
				90	Keyla class (transports)
					1 Mezen
					2 Onega
					3 Ponoi
					4 Ritsa (AGI)
					5 Teriberka
					6 Tuloma
					7 Tvertsa
					8 Unza
					9 Ussury
					10 Yeruslan
				91	Muna class (transports)
					1 VTR 28
					2 48
					3 81
					4 82
					5 83
					6 84

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					7 85
					8 86
					9 91
					10 92
					11 93
					12 94
					13 148
				92	Mayak class (transports)
					1 Buzuluk
					2 Ishim
					3 Lama
					4 Mius
					5 Neman
					6 Rioni
					7 Ulma
					8 Vytegra
				93	Lentra class (transports)
					1 Alma
					2 Kacha
					3 Ufa
					4 Ugra
					5 VTR 1
					6 28
					7 32
					8 143
					9 144
					10 145
				94	MP 4 class (transports)
					1 VTR 294
					2 VTR 295
				95	MP 6 class (transports)
					1 Bira
					2 Vologda
				96	Telnovsk class (transports)
					1 Burovestnik
					2 Lag
					3 VTR 73
					4 VTR 74 (ex-Jan Kreuks)

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			

97 Khabarov class (transports)
- 1 VTR 8
- 2 13
- 3 15
- 4 25

98 Komandor class
- 1 Komandor
- 2 Shkiper Gyek
- 3 Herluf Bidstrup

99 Onega class
- 1 GKS 52
- 2 SFP 95
- 3 SFP 224
- 4 SFP 240
- 5 SFP 283
- 6 GKS 286
- 7 SFP 295
- 8 SFP 322
- 9 SFP 340
- 10 SFP 173
- 11 SFP 511
- 12 SFP 542
- 13 SFP 562
- 14 SFP 177

100 T 43 class
- 1 GKS 11
- 2 12
- 3 14-24
- 4 26
- 5 45

104 PO 2 class

105 Nyryat 2 class

106 Nyryat 1 class

107 Petrushka class

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				108	Miernyk class
				109	Daldyn class
					1 Daldyn
				110	Yelva class
					1 VM 143
					2 146
					3 154
					4 266
					5 268
					6 413
					7 414
					8 416
					9 420
					10 425
					11 907
					12 909
			17	Auxiliary, Merchant Marine	
				1	Tamyr class (ice breakers)
					1 Tamyr
					2 Vaygach
				2	Arktika class (ice breakers)
					1 Arktika
					2 Sibir
					3 Rossiya
					4 Sovetskiy Soyuz
					5 Oktyabryskaya Revolutsiya
					6 Ural (1996)
				3	Yermak class (ice breakers)
					1 Yermak
					2 Admiral Makarov
					3 Krasin
				4	Moskva class (ice breakers)
					1 Kiev
					2 Leningrad
					3 Moskva
					4 Murmansk

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					5 Vladivostok
				5 Kapitan Sorokin class (ice breakers)	
					1 Kapitan Sorokin (mod)
					2 Kapitan Nikolayev
					3 Kapitan Dranitsyn
					4 Kapitan Khlebnikov
				6 Mudyug class (ice breakers)	
					1 Mudyug
					2 Magadan
					3 Dikson
				7 Kapitan Belousov class (ice breakers)	
					1 Kapitan Belousov
					2 Kapitan Melekhov
					3 Kapitan Voronin
				8 Dobrynya Nikitich class (ice breakers)	
					1 Afanasy Nikitin (ex-Ledokol 2)
					2 Purga (1961)*
					3 Buran (1966)*
					4 Sadko (1968)*
					5 Dobrynya Nikitich (1960)*
					6 Semen Chelyuskin (ex-Ledokol 8)(1965)
					7 Fedor Litke (1970)
					8 Georgy Sedov (1967)**
					9 Semen Dezhnev (1971)
					10 Ilya Muromets (1966)*
					11 Vasily Poyarkov (ex-Ledokol 4) (1963)
					12 Ivan Moskvitin (1971)
					13 Vladimir Rusanov (ex-Ledokol 7) (1964)
					14 Ivan Kruzenshtern (ex-Ledokol 6) (1964)
					15 Khariton Laptev (ex-Ledokol 3) (1962)
					16 Vyuga (1961)* (ex-Ledokol 5) (1963)
					17 P Pakhtusov (1966)**
					18 Peresvet (1969)*
					19 Yerofei Khabarov
					20 Yury Lisyansky (ex-Ledokol 9) (1965)
					21 Plug (1961)
				9 Kapitan Chechkin class (ice breakers)	
					1 Kapitan Chechkin

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					2 Kapitan Plakhin
					3 Kapitan Chadayev
					4 Kapitan Krutov
					5 Kapitan Bukayev
					6 Kapitan Zarubin
				10 Kapitan Yevdokimov class (ice breakers)	
					1 Kapitan Uevdokimov
					2 Kapitan Babichev
					3 Kapitan Chudinov
					4 Kapitan Borodkin
					5 Avramiy Zavenyagin (ex-Kapitan Krylov)
					6 Kapitan Metsayk
					7 Kapitan Demidov
					8 Kapitan Moshkin
				11 Kapitan Izmaylov class (ice breakers)	
					1 Kapitan M. Izmaylov
					2 Kapitan Kosolapov
					3 Kapitan A. Radzabov
				12 Stroptivy class (ice breakers)	
					1 Stroptivy
					2 Stakhanovets
					3 Sibirsky
					4 Spravedlivy
					5 Suvorovets
					6 Fobos
					7 Deymos
				13 Ivan Susanin class (armed ice breakers)	
					1 Zaisberg
					2 Neva
					3 Dunay
					4 Ruslan
					5 Imeni XXVI Syezda KPSS
					6 Volga
					7 Ivan Susanin
					8 Imeni XXV Syezda KPSS
			18 Utility		
				1 Manych class (water tankers)	

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					1 Manych
					2 Tagil
				2 Voda class (water carriers)	
					1 Abakan
					2 Sura
					3 MVT 6
					4 9
					5 10
					6 16
					7 17
					8 18
					9 20
					10 21
					11 24
					12 134
					13 135
					14 138
				3 Pelym class (degaussing ships (YDG))	
					1 SR 70
					2 SR 111
					3 SR 179
					4 SR 180
					5 SR 191
					6 SR 203
					7 SR 215
					8 SR 218
					9 SR 221
					10 SR 222
					11 SR 233
					12 SR 241
					13 SR 276
					14 SR 280
					15 SR 281
					16 SR 407
					17 SR 409
					18 SR 455
				4 Bereza Class (degaussing ships (YDG))	
					1 SR 28
					2 SR 59
					3 SR 74

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					4 SR 120
					5 SR 137
					6 SR 188
					7 SR 216
					8 SR 370
					9 SR 478
					10 SR 479
					11 SR 541
					12 SR 548
					13 SR 568
					14 SR 569
					15 SR 570
					16 SR 936
					17 SR 939
				5 Khabarov class (degaussing ships (YDG))	
					1 Khabarov
					2 SR 164
				6 Sekstan class	
				7 Korall class	
				8 Baklazhan class (tugs)	
					1 SB 131 Nikolai Chiker
					2 SB 135
				9 Neftegaz class (tugs)	
					1 Aleksey Kortunov
					2 Ilga
					3 Umka
					4 Kalar
				10 Goryn class (tugs)	
					1 MB 15
					2 MB 119
					3 MB 18
					4 SB 365 (ex-MB 29)
					5 MB 32
					6 SB 521 (ex-MB 61)
					7 MB 35
					8 SB 522 (ex-MB 62)
					9 MB 36

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					10 SB 523 (ex-MB 64)
					11 MB 38
					12 SB 524 (ex-MB 108)
					13 MB 105
				11 Sorum class (tugs)	
					1 Amur
					2 Primorye
					3 Brest
					4 Bug
					5 Burya
					6 Chukotka
					7 Kamchatka
					8 Karelia
					9 Ladoga
					10 Neman
					11 Sakhalin
					12 Ural
					13 Victor Kingsiepp
					14 Yan Berzin
					15 Yenisey
					16 Zabaykalye
					17 Zapolarye
					18 MB 4
					19 MB 6
					20 MB 13
					21 MB 19
					22 MB 25
					23 MB 26
					24 MB 28
					25 MB 30
					26 MB 31
					27 MB 37
					28 MB 56
					29 MB 58
					30 MB 61
					31 MB 76
					32 MB 99
					33 MB 110
					34 MB 147
					35 MB 148
					36 MB 196
					37 MB 236

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					38 MB 304
					39 MB 307
				12 Okhtensky class (tugs)	
					1 Loksa
					2 Orion
					3 Saturn
					4 Neptun
					5 Pochetny
					6 Tyulen
				13 Roslavl class (tugs)	
					1 MB 50
					2 MB 94
					3 MB 95
					4 MB 102
					5 MB 125
					6 MB 145
					7 MB 146
					8 MB 147
					9 SB 41
					10 SB 46
				14 Zenit class (tugs)	
				15 Scholle class (harbor tugs)	
				16 Tugur class (harbor tugs)	
				17 Sidehole (1, 2) classes (harbor tugs)	
			50 Frigate/Corvette		
				1 Grisha I class	
					1 Ametyst
					2 Brilliant
					3 Izumrud
					4 Predanny
					5 Rubin
					6 Sapfir
					7 Zhemchug
					8 Provorny

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
				2	Grisha II class
				3	Grisha III class
				4	Grisha V class
				5	Mirka II class
				6	Petya I class
				7	Petya II class
				8	Riga class
					1 Astrakhan'skiy Kom.
					2 Arkhangel'skiy Kom.
					3 Bars
					4 Barsuk
					5 Bobr
					6 Buyvol
					7 Byk
					8 Gepard
					9 Giena
					10 Kobchik
					11 Komsomolets Gruziy
					12 Komsomolets Litviy
					13 Krasnodarskiy Kom.
					14 Kunitsa
					15 Leopard
					16 Lev
					17 Lisa
					18 Medved
					19 Pantera
					20 Rys Rosomakha
					21 Shakal
					22 Tigr
					23 Turman
					24 Volk
					25 Voron
					26 Yaguar
				9	Krivak III (Zaliv (Kerch))
					1 Menzhinsky
					2 Derzhinsky

Kind	Domain	Country	Cat	Scat	Specific
1	3	222			
					3 Imeni XXVII Sezda Kpss
					4 Imeni lXX Letiya Vchk-Kgb
					5 Imeni lXX Letiya Pogranvoysk
					6 Kedrov
					7 Vorovsky
				10	Parchim II Class
			53		Light Cruiser

Kind	Domain	Country	Cat	Scat	Specific
1	4	222			

1 SSBN (Nuclear Ballistic Missile)
- 1 Typhoon class
- 2 Delta IV class
- 3 Delta III class
- 4 Delta II class
- 5 Delta I class
- 6 Yankee I class

2 SSGN (Nuclear Guided Missile)
- 1 Oscar II class
- 2 Oscar I class
- 3 Charlie II class
- 4 Charlie I class
- 5 Echo II class
- 6 Yankee conversion class

3 SSN (Nuclear Attack-Torpedo)
- 1 Victor III Class
- 2 Victor II class
- 3 Victor I class
- 4 Yankee Notch class
- 5 Sierra II class
- 6 Sierra I class
- 7 Alfa class
- 8 Akula class

4 SSG (Conventional Guided Missile)
- 1 Juliett Class

5 SS (Conventional Attack-Torpedo, Patrol)
- 1 Kilo class
- 2 Tango class
- 3 Foxtrot class

6 SSAN (Nuclear Auxiliary)*
- 1 Yankee class (ex-SSBN)
- 2 Uniform class

7 SSA (Conventional Auxiliary)*
- 3 Lima class
- 4 Beluga class

Subsurface

Kind	Domain	Country	Cat	Scat	Specific
1	4	222			
				5	X-Ray class
				6	India class
				7	Bravo class (target sub)

Kind	Domain	Country	Cat	Scat	Specific
1	5	222			

0 Other

1 Astronomical Module
- 1 Kavant 1
- 2 Kavant 2
- 3 Priroda
- 4 Spektrum
- 5 Kristall

1 Manned platform

1 Space Shuttle
- 1 Buran

2 Space Station
- 1 Mir
- 2 Kvant
- 3 Resurs-F2

3 Space vehicles
- 1 Phobos 2
- 2 Soyuz-TM
- 3 Phobos
- 4 Progress
- 5 Progress-M
- 6 Prognaz
- 7 Vostok
- 8 Molniya
- 9 Cosmos
- 10 Proton K
- 11 Proton KM
- 11 Tsyklon
- 12 Zenit
- 13 Lomonosov (MHB)

2 Unmanned platform

1 Minor military satellites
- 1 C2093
- 2 C2002
- 3 C2059
- 4 C2075
- 5 C2137

Kind	Domain	Country	Cat	Scat	Specific
1	5	222			
					6 C2164
					7 C1985
					8 C2053
					9 C2106
				2 Communication satellite	
					1 Molniya
				3 Navigation satellite	
					1 GEO-IK Geodedic Cosmos
				4 Navigation satellite	
					1 Elektron
				5 Early Warning satellite	
					1 Cosmos
				6 Electronic Intelligence satellite	
					1 Elints
				7 Ocean surveillance satellite	
					1 Okean
				8 Ocean surveillance satellite	
					1 Eorsats
				9 Optical imaging surveillance satellite	
					1 Venera
				10 Optical imaging surveillance satellite	
					1 Generation
				11 Illuminating satellite	
					1 Reflector
					2 Energia
				12 Microwave activity	
					1 Relikt

4.2.3.1.3 U.K. Platforms

All U.K. platforms have a Kind-field value of 1 and a Country-field value of 224.

Kind	Domain	Count	Cat	Scat	Specific
1	1 Land	224	U.K.		
			1 Tank		
				1 Chieftain MBT	
				2 Challenger MBT	
					1 Mark I
					2 Mark II
				3 FV-101 Scorpion	
			2 Armored fighting vehicle		
				1 FV 432 Rarden (APC)	
				2 FV 103 Spartan (APC)	
				2 FV 102 Striker	
				3 FV 601 Saladin	
				4 FV 107 Scimitar	
				5 FV 105 Sultan	
				6 FV 603 Saracen	
				6 AT 105 Saxon	
				8 FV 510 Warrior	
				9 FV 711 Ferret	
				10 FV 721 Fox	
				11 Tracked Rapier	
			3 Armored utility vehicle		
				1 Chieftain ARV	
				2 Challenger ARV	
				3 Centurian AVRE	
				4 Chieftain AVRE	
				5 Combat Engineer tractor	
				6 Chieftain AVLB	

Kind	Domain	Country	Cat	Scat	Specific
1	1	224			
				7 Mobile bridge	
					1 M2
					2 M3
			4 Self-propelled artillery		
					1 FV 433 Abbot 105-mm Howitzer
					2 M-109 155-mm Howitzer
					3 M-107 175-mm Howitzer
					4 M-110 203-mm Howitzer
			5 Towed artillery		
					1 FH-70 155-mm gun
					2 L-118 105-mm
					3 M-56 105-mm
					4 5.5-in/140-mm
			6 Small wheeled utility vehicle		
					1 LWB Land Rover
					2 Land Rover 6x6 truck
			7 Large wheeled utility vehicle		
			8 Small tracked utility vehicle		
			9 Large tracked utility vehicle		
			10 Mortar		

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			

1 Fighter/Air Defense

1 Tornado ADV
- 1 Tornado F. Mk2
- 2 Tornado F. Mk 2A
- 3 Tornado F. Mk 3

3 Phantom FGR 2

3 Eurofighter 2000

2 Attack/Strike

1 Sea Harrier
- 1 Sea Harrier FRS. Mk 1
- 2 Sea Harrier T. Mk 4
- 3 Sea Harrier FRS. Mk 51

2 Harrier
- 1 Harrier GR. Mk 3
- 2 Harrier T. Mk 4
- 3 Harrier GR. 5
- 4 Harrier GR. 7
- 4 VA.1 Matador (AV-8S & TAV-8S)

3 BAe HS Buccaneer

4 Tornado
- 1 Tornado GR Mk 1
- 2 Tornado GR Mk 1A
- 3 Tornado GR Mk 4

5 Jaguar
- 1 Jaguar GR1 Mk 1
- 2 Jaguar GR1 Mk 1A

6 Bae Hawk
- 1 Hawk T Mk 1
- 2 Hawk T Mk 1A

4 Cargo/Tanker

1 K-2 Victor

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			

2 Hercules C130
- 1 Hercules C. Mk 1
- 2 Hercules C. Mk 1P
- 3 Hercules C. MK 1K
- 4 Hercules C. Mk 3P

3 BAe 146
- 1 BAe 146 CC. Mk 2

4 HS 125 Dominie

5 Sea Devon

6 Sea Heron

7 V-22 Osprey

8 BAe (BAC/Vickers) VC-10
- 1 VC-10 C. Mk1(K)
- 2 VC-10 K. Mk 2
- 3 VC-10 K. Mk 3
- 4 VC-10 K. Mk 4

9 Pilatus Britten-Norman Defender

10 Pilatus B-N Maritime Defender

11 Pilatus Britten-Norman BN-2T Turbine Defender
- 1 Islander CC. Mk 2
- 2 Islander AL. Mk 1

12 Shorts 330 Sherpa
- 1 C-23A
- 2 C-23B
- 3 Shorts 330-UTT

13 BAe 125-800
- 1 C-29A
- 2 U-125A

14 BAe HS 748MF
- 1 Andover C. Mk 1

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			
				15	Vickers VC2 Viscount
				16	L-1011 TriStar
					1 TriStar KC Mk 1
					2 TriStar K Mk 1
					3 TriStar C Mk 2
			5	ASW/patrol/observation	
				1	Nimrod
					1 Nimrod R Mk 1
					2 Nimrod MR Mk 2
					3 Nimrod MR Mk 2P
					4 Nimrod MR Mk 3
				2	BAe P. 132
				3	Islander
					1 Islander AL. Mk 1
			7	Reconnnaisance	
				1	English Electric Canberra
					1 Canberra PR Mk 7
					2 Canberra PR Mk 9
				2	HS Buccaneer
					1 Buccaneer S. Mk 2A
				3	Tornado
					1 Tornado GR Mk 1
			8	Surveillance/C^2	
				1	E-3D Sentry AEW Mk 1
				2	Andover
					1 Andover C. Mk1
				3	Canberra
					1 B Mk 2
					2 T Mk 4
					3 E Mk 15

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			
					4 E Mk 17
					5 TT Mk 18
					6 TT Mk 22
				4 Hawker Hunter	
					1 GA 11
					2 T. Mk 7
					3 T. Mk 8
					4 PR Mk 11
				5 Mystere-Falcon 20	
			21 Utility helicopter		
				2 Westland Lynx	
					1 Mk 5
					2 HAS. Mk 2
					3 HAS. Mk 3
					4 HAS. Mk 2(FN)
					5 HAS. Mk 3(FN)
					6 MK 21
					7 Mk 23
					8 Mk 25
					9 Mk 27
					10 Mk 81
					11 Mk 28
					12 Mk 80
					13 Mk 90
					14 Mk 86
					15 Mk 95
					16 Mk 99
					17 AH. Mk1
					18 AH. Mk 7
					19 AH. Mk 9
				2 Westland Super Lynx	
					1 Mk 95
					2 Mk 99
				3 SA341 Gazelle	
					1 HT Mk 2
					2 HT Mk 3
				6 Puma	

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			

7 Jet Provost

8 Westland Wessex
- 1 HC.MK 2
- 2 HC.MK 5

9 Scout

10 Wasp

14 Alouette II

16 A109

17 CH 47 Chinook

18 SA 330

22 Sea-going/Antisubmarine Helicopter

1 Westland Sea King
- 1 HAS. Mk 1
- 2 HAS. Mk 2
- 3 HAS. Mk 5
- 4 HAS. Mk 6
- 5 AEW. Mk 2A
- 6 HAR. Mk 3
- 7 HAR. Mk 5
- 8 Mk 41
- 9 Mk 42
- 10 Mk 42A
- 11 Mk 42B
- 12 Mk 43
- 13 Mk 43A
- 14 Mk 43B
- 15 Mk 45
- 16 Mk 47
- 17 Mk 48
- 18 Mk 50

23 Cargo Helicopter

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			
				1	Westland Commando
					1 Commando Mk 1
					2 Commando Mk 2
					3 Commando Mk 2B
					4 Commando Mk 2E
					5 Commando Mk 2A
					6 Commando Mk 2C
					7 Commando Mk 3
					8 Indian Sea King Mk 42C
					9 Sea King HC. Mk
			40	Trainer	
				1	Shorts S312 Tucano
					1 T. Mk 1
				2	Bulldog
					1 T. MK 1
				3	Chipmunk
				4	Pilatus Britten-Norman BN-2T
					1 Turbine Islander
				5	BAe Hawk
					1 Hawk T. Mk 1
					2 Hawk T. Mk 1A
					3 Goshawk T-45A
				6	BAe Jetstream Super 31
					1 Jetstream T Mk 2
					2 Jetstream T Mk 3
				7	Chieftain
				8	BAe 125-800
					1 C-29A
					2 U-125A
				9	Slingsby T67 Firefly
					1 T67M Mk II
					2 T67M260
				10	Provost

Kind	Domain	Country	Cat	Scat	Specific
1	2	224			
					1 T Mk 5
			50 Unmanned vehicles		
				1 English Electric Canberra	
					1 PR Mk10

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			

4 Guided-missile Destroyer

1 Type 42

Batch 1
1 D 86 Birmingham
2 D 87 Newcastle
3 D 88 Glasgow
4 D 108 Cardiff

Batch 2
5 D 89 Exeter
6 D 90 Southampton
7 D 91 Nottingham
8 D 92 Liverpool

Batch 3
9 D 95 Manchester
10 D 96 Gloucester
11 D 97 Edinburgh
12 D 98 York

6 Guided-missile Frigate

1 Duke class (Type 23)
1 F 230 Norfolk
2 F 231 Argyll
3 F 229 Lancaster (ex-F 232)
4 F 233 Marlborough
5 F 234 Iron Duke
6 F 235 Monmouth
7 F 236 Montrose
8 F 237 Westminster
9 F 238 Northumberland
10 F 239 Richmond
11 F 240 Somerset
12 F 241 Grafton
13 F 242 Sutherland

2 Broadsword class (Type 22)

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
					Batch 1
					1 F 88 Broadsword
					2 F 89 Battleaxe
					3 F 90 Brilliant
					4 F 91 Brazen
					Batch 2
					5 F 92 Boxer
					6 F 93 Beaver
					7 F 94 Brave
					8 F 95 London (ex-Bloodhound)
					9 F 96 Sheffield
					10 F 98 Coventry
					Batch 3
					11 F 85 Cumberland
					12 F 86 Campbeltown
					13 F 87 Chatham
					14 F 99 Cornwall
				3	Amazon class (Type 21)
					1 F 169 Amazon
					2 F 171 Active
					3 F 172 Ambuscade
					4 F 173 Arrow
					5 F 174 Alacrity
					6 F 185 Avenger
				4	Leander class
					Exocet group (Batch 2)
					1 F 40 Sirius
					2 F 56 Argonaut
					Broad-Beamed group (Batch 3a)
					3 F 57 Andromeda
					4 F 71 Scylla
			7		Light/patrol craft
				1	Antarctic patrol ship
					1 A 176 Polar Circle

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
				2	Castle class (offshore patrol vessels MK 2)
					1 P 258 Leeds Castle
					2 Dumbarton Castle
				3	Island class (offshore patrol vessels)
					1 P 277 Anglesey
					2 P 278 Alderney
					3 P 295 Jersey
					4 P 297 Guernsey
					5 P 298 Shetland
					6 P 299 Orkney
					7 P 300 Lindisfarne
				4	Peacock class (large patrol craft)
					1 P 239 Peacock
					2 P 240 Plover
					3 P 241 Starling
				5	Bird and Seal class (large patrol craft)
					1 P 259 Redpole (ex-Sea Otter)
					2 P 260 Kingfisher
					3 P 261 Cygnet
				6	Archer class (training and patrol craft)
					1 P 264 Archer
					2 P 270 Biter
					3 P 272 Smiter
					4 P 273 Pursuer
					5 P 279 Blazer
					6 P 280 Dasher
					7 P 291 Puncher
					8 P 292 Charger
					9 P 293 Ranger
					10 P 294 Trumpeter
					11 A 153 Example (RNXS)
					12 A 154 Explorer (RNXS)
					13 A 163 Express (RNXS)
					14 A 167 Exploit (RNXS)
			8		Mine Warfare
				1	Hunt class (minesweepers/minehunters, coastal)
					1 M 29 Brecon

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
					2 M 30 Ledbury
					3 M 31 Cattistock
					4 M 32 Cottesmore
					5 M 33 Brocklesby
					6 M 34 Middleton
					7 M 35 Dulverton
					8 M 36 Bicester
					9 M 37 Chiddingfold
					10 M 38 Atherstone
					11 M 39 Hurworth
					12 M 40 Berkeley
					13 M 41 Quorn
				2 River class (minesweepers, coastal)	
					1 M 2003 Waveney
					2 M 2004 Carron
					3 M 2005 Dovey
					4 M 2006 Helford
					5 M 2007 Humber
					6 M 2008 Blackwater
					7 M 2009 Itchen
					8 M 2010 Helmsdale
					9 M 2011 Orwell
					10 M2012 Ribble
					11 M 2013 Spey
					12 M 2014 Arun
				3 Ton class (coastal minehunters)	
					1 M 1114 Brinton
					2 M 1151 Iveston
					3 M 1154 Kellington
					4 M 1166 Nurton
					5 M 1181 Sheraton
				4 Sandown class (minehunters)	
					1 M 101 Sandown
					2 M 102 Inverness
					3 M 103 Cromer
					4 M 104 Walney
					5 M 105 Bridport
			12 Light carrier		

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			

1 Light aircraft carrier (CVSG)
- 1 R 05 Invincible
- 2 R 06 Illustrious
- 3 R 07 Ark Royal

16 Auxiliary

1 Leander class (training ships)
- 1 F 52 Juno

2 Dartmouth training ship
- 1 M1116 Wilton

3 Improved Hecla class (survey)
- 1 A 138 Herald

4 Hecla class (survey)
- 1 A 133 Hecla

5 A 317 Bulldog class (survey)
- 1 A 317 Bulldog
- 2 A 319 Beagle

6 Roebuck class (survey)
- 1 A 130 Roebuck

7 Ol class (large fleet tankers (AO))
- 1 A 122 Olwen
- 2 A 123 Olna
- 3 A 124 Olmeda

8 Appleleaf class (support tankers (AOT))
- 1 A 81 Brambleleaf (ex-Hudson Cavalier)
- 2 A 109 Bayleaf
- 3 A 110 Orangeleaf (ex-Balder London, ex-Hudson Progress)

9 Rover class (small fleet tankers (AOL))
- 1 A 269 Grey Rover
- 2 A 270 Blue rover
- 3 A 271 Gold rover
- 4 A 273 Black rover

10 Fort Victoria class (fleet replenishment)

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
					1 A 387 Fort Victoria
					2 A 388 Fort George
				11	Fort Grange class (AFS(H))
					1 A 385 Fort Grange
					2 A 386 Fort Austin
				12	Regent class (AFS(H))
					1 A 480 Resource
					2 A 486 Regent
				13	Stena type (forward repair ship)
					1 A 132 Diligence (ex-Stena Inspector)
				14	Sal Class (salvage & mooring)
					1 A 185 Salmoor
					2 A 186 Salmaster
					3 A 187 Salmaid
				15	Wild Duck class (salvage & mooring)
					1 A 164 Goosander
					2 A 165 Pochard
				16	Moorhen class (salvage & mooring)
					1 Y 32 Moorhen
					2 Y 33 Moorfowl
					3 A 72 Cameron
				17	Oilpress class (coastal tankers)
					1 Y 21 Oilpress
					2 Y 22 Oilstone
					3 Y 23 Oilwell
					4 Y 25 Oilbird
					5 Y 26 Oilman
				18	Tornado class (torpedo recovery)
					1 A 140 Tornado
					2 A 141 Torch a 141
					3 A 142 Tormentor
					4 A 143 Toreador
				19	Water class (water carriers)
					1 Y 17 Waterfall

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
					2 Y 18 Watershed
					3 Y 19 Waterspout
					4 Y 30 Watercourse
					5 Y 31 Waterfowl
					6 A 146 Waterman
				20	Seal class (lrrsc) (aviation support)
					1 5000 Seal
					2 5001 Seagull
				21	Spitfire class (rttl mk 3) (aviation support)
					1 4000 Spitfire
					2 4003 Halifax
					3 4004 Hampden
					4 4005 Hurricane
					5 4006 Lancaster
					6 4007 Wellington
				22	Insect class (fleet tenders)
					1 A 216 Bee
					2 A 229 Cricket
					3 A 230 Cockchafer
					4 A 239 Gnat
					5 A 253 Ladybird
					6 A 263 Cicada
					7 A 272 Scarab
				23	Loyal class (RNXs) (fleet tenders)
					1 A 157 Loyal Helper
					2 A 158 Supporter (ex-Loyal Supporter)
					3 A 159 Loyal Watcher
					4 A 160 Loyal Volunteer
					5 A 161 Loyal Mediator
					6 A 220 Loyal Moderator
					7 A 1770 Loyal Chancellor
					8 A 1771 Loyal Proctor
				24	Clovelly class (fleet tenders)
					1 A 207 Llandovery
					2 A 208 Lamlash
					3 A 211 Lechlade
					4 A 251 Lydford (ex-Loyal Governor, ex-Alert)
					5 A 254 Meavy (ex-Loyal Factor,

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			

ex-Vigilant)
6 A 274 Ettrick*
7 A 277 Elsing*
8 A 341 Fotherby
9 A 348 Felsted
10 A 353 Elkstone
11 A 354 Froxfield
12 A 355 Epworth
13 A 365 Fulbeck
14 A 381 Cricklade
15 A 391 Criccieth
16 A 392 Glencoe**
17 A 393 Dunster
18 A 394 Fintry
19 A 402 Grasmere
20 A 488 Cromarty
21 A 490 Dornoch
22 A 1766 Headcorn
23 A 1767 Hever
24 A 1768 Harlech
25 A 1769 Hambledon
26 A 1772 Holmwood
27 A 1773 Horning

**rnxs
*rn

25 Manly class (fleet tenders)
1 A 83 Melton
2 A 84 Menai
3 A 87 Meon
4 A 91 Milford
5 A 107 Messina

26 Magnet class (degaussing vessels)
1 A 114 Magnet
2 A 115 Lodestone

27 Aberdovey class (auxiliary training vessels)
1 A 100 Beddgelert
2 A 103 Sultan Venturer (ex-Bibury)
3 A 383 Appleby
4 Y 10 Aberdovey
5 Y 11 Abinger

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
					6 Y 13 Alnmouth
			17 Auxiliary, Merchant Marine		
				1 Avon class (Royal Corps of Transport)	
					1 RPL 05 Eden
					2 RPL 06 Forth
					3 RPL 12 Medway
				2 Adept class (TUTT) (tugs)	
					1 A 221 Forceful
					2 A 222 Nimble
					3 A 223 Powerful
					4 A 224 Adept
					5 A 225 Bustler
					6 A 226 Capable
					7 A 227 Careful
					8 A 228 Faithful
					9 A 231 Dexterous
				3 Dog class (tugs and range-trials vessels)	
					1 A 106 Alsatian
					2 A 126 Cairn
					3 A 129 Dalmatian
					4 A 155 Deerhound
					5 A 162 Elkhound
					6 A 168 Labrador
					7 A 178 Husky
					8 A 180 Mastiff
					9 A 182 Saluki
					10 A 188 Pointer
					11 A 189 Setter
					12 A 197 Sealyham
					13 A 201 Spaniel
					14 A 250 Sheepdog
					15 A 326 Foxhound (ex-Boxer)
					16 A 327 Basset (ex-Beagle)
					17 A 328 Collie
					18 A 330 Corgi
				4 Modified Girl Class	
					1 A 156 Daphne
					2 A 177 Edith

Kind	Domain	Country	Cat	Scat	Specific
1	3	224			
				5	Triton class
					1 A 166 Kathleen
					2 A 170 Kitty
					3 A 172 Lesley
					4 A 174 Lilah
					5 A 175 Mary
					6 A 181 Irene
					7 A 183 Isabel
					8 A 190 Joan
					9 A 193 Joyce
					10 A 199 Myrtle
					11 A 202 Nancy
					12 A 205 Norah
				6	Felicity class
					1 A 112 Felicity
					2 A 147 Frances
					3 A 148 Fiona
					4 A 149 Florence
					5 A 150 Genevieve
					6 A 152 Georgina
					7 A 196 Gwendoline
					8 A 198 Helen
			56		Amphibious transport dock
				1	Assault ships (LPD)
					1 L 10 Fearless
					2 L 11 Intrepid

Kind	Domain	Country	Cat	Scat	Specific
1	4	224			

1 SSBN (Nuclear Ballistic Missiles)

1 Vanguard Class
- 1 05 Vanguard
- 2 06 Victorious
- 3 07 Vigilant
- 4 08

2 Resolution Class
- 1 S 22 Resolution
- 2 S 23 Repulse
- 3 S 26 Renown
- 4 S 27 Revenge

3 SSN (Nuclear Attack-Torpedo)

1 Trafalgar Class
- 1 S 87 Turbulent
- 2 S 88 Tireless
- 3 S 90 Torbay
- 4 S 91 Trenchant
- 5 S 92 Talent
- 6 S 93 Triumph
- 7 S 107 Trafalgar

2 Swiftsure Class
- 1 S 104 Sceptre
- 2 S 105 Spartan
- 3 S 106 Splendid
- 4 S 108 Sovereign
- 5 S 109 Superb

3 Valiant Class
- 1 S 102 Valiant

5 SS (Conventional Attack-Torpedo, Patrol)

1 Upholder class (Type 2400)
- 1 S 40 Upholder
- 2 S 41 Unseen
- 3 S 42 Ursula
- 4 S 43 Unicorn

Kind	Domain	Country	Cat	Scat	Specific
1	4	224			
				2 Oberon Class	
					1 S 16 Oracle
					2 S 19 Opossum
					3 S 20 Opportune

Kind	Domain	Country	Cat	Scat	Specific
1	5	224			
			2 Unmanned		
				1 Communication satellites	
					1 Skynet 4
					2 Skynet 4A
					3 Skynet 4B
					4 Skynet 4C
					5 NATO 4
					6 ECS
					7 Eurostar

4.2.3.1.4 French platforms

All French platforms have a Kind-field value of 1 and a Country-field value of 71.

Kind	Dom	Count	Cat	Scat	Specific
1	1 Land	71			

1 Tank
- 1 AMX-30
  - 1 AMX-30B2
- 2 AMX-13 Light Tank
- 3 AMX-40 MBT

2 Armored fighting vehicle
- 1 VBC-90 armored car
- 2 ERC-90 armored car
- 3 AML-90 armored car
- 4 AML-60 armored car
- 5 VAB APC
- 6 AMX-10RC armored car
- 7 AMX-13 IFV
- 8 AMX-10 IFV
- 9 EBR armored car
- 10 AMX-13 VCI APC
- 11 AMX-13 DCA
- 12 Berliet VXB armored car
- 13 Panhard EBR

3 Armored utility vehicle
- 1 AMX-10 ECH Recovery Vehicle

4 Self-propelled artillery
- 1 A UF1 155-mm Howitzer
- 2 AMX 105-mm Howitzer
- 3 AU-50 105-mm Howitzer
- 4 F-3 155-mm gun

5 Towed artillery
- 1 TR 155-mm Howitzer

6 Small wheeled utility vehicle

7 Large wheeled utility vehicle

Kind	Domain	Country	Cat	Scat	Specific
1	1	71			
			8	Small tracked utility vehicle	
			9	Large tracked utility vehicle	
			10	Mortar	

Kind	Domain	Country	Cat	Scat	Specific
1	2	71			
			1 Fighter/Air Defense		
				1 Mirage F-1	
					1 F1-AD
					2 F1-AZ
					34 F1-B
					4 F1-BD
					5 F1-BE
					6 F1-BJ
					7 F1-BK
					8 F1-BQ
					9 F1-B & E
					10 F1-C
					11 F1-CE
					12 F1-CG
					13 F1-CH
					14 F1-CJ
					15 F1-CK
					16 F1-CR-200
					17 F1-CZ
					18 F1-C-200s
					19 F1-DDA
					20 F1-ED
					21 F1-EDA
					22 F1-EE
					23 F1-EH
					24 F1-EJ
					25 F1-EQ
					26 F1-JA
					27 F1-JE
				3 Mirage III	
					1 Mirage III-D
					2 Mirage III-E
				4 Mirage IV 2000	
					1 Mirage 2000AD
					2 Mirage 2000BGM
					3 Mirage 2000C
					4 Mirage 2000D
					5 Mirage 2000DAD
					6 Mirage 2000DP
					7 Mirage 2000E

Kind	Domain	Country	Cat	Scat	Specific
1	2	71			
					8 Mirage 2000EAD
					9 Mirage 2000EGM
					10 Mirage 2000H (KF-101)
					11 Mirage 2000N
					12 Mirage 2000P
					13 Mirage 2000RAD
					14 Mirage 2000TH (KT-201)
					15 Mirage 2000-5
					16 Vajra (Divine Thunder)
				5	Dassault Rafale (Squall)
					1 Rafale B
					2 Rafale C
					3 Rafale S-1 Standard
				6	Mirage 50
			2		Attack/Strike
				1	Dassault/BAe Jaguar
				2	Etendard IV-P
				3	Dassault Super Etendard
					1 Super Etendard
				4	Dassault/Dornier Alpha Jet
					1 Alpha Jet 2
					2 Alpha Jet E
					3 Alpha Jet A
					4 Alpha Jet 3
				5	Mirage 5
				6	Crusader(Vought F-8E(FN))
			3		Bomber
				1	Mirage IV
			4		Cargo/Tanker
				1	Transall C-160

Kind	Domain	Country	Cat	Scat	Specific
1	2	71			
				6	Dassault Mystere-Falcon 20
					1 HU-25 Guardian
				2	Dassault Mystere-Falcon 50
				3	T.16 air ambulance.
				4	Reims F 406 Caravan II
					1 Reims F 406 Vigilante
				5	SECA/Fokker F27 Friendship Arat
			5	Antisubmarine/patrol/observation	
				1	Dassault Alantique 2
				2	Dassault (Breguet) Alize
				3	Dassault (Breguet) (1050) Atlantic
				4	Dassault Mystere-Falcon 900
					1 T.18
				5	Dassault Gardian 2
			6	EW	
				1	Transall C-160
				2	Dassault (Breguet 1050) Alize
				3	Dassault Mystere-Falcon 20 (ECM)
			7	Reconnaisance	
				1	Dassault Mystere-Falcon 900
				2	Mirage III
					1 Mirage III-R
					2 Mirage III-R2Z
					3 Mirage III-RD
				3	Dassault Mystere-Falcon 20SNR

Kind	Domain	Country	Cat	Scat	Specific
1	2	71			

20 Attack Helicopter

1 Eurocopter AS 532 Cougar
- 1 AS 532AC
- 2 AS 532AL

2 Eurocopter SA342 Gazelle
- 1 SA 342ATAM
- 2 SA 342M Viviane

3 Eurocopter BO 105/PAH-1/VBH/BSH-1
- 1 BO 105 PAH-1A1

21 Utility Helicopter

1 Aerospatiale SA 313B Alouette II

2 Aerospatiale SA 315B
- 1 Cheetah

3 Aerospatiale SA 316B Alouette III

4 Aerospatiale SA 321 Super Frelon
- 1 SA 321H

5 Aerospatiale SA 330 Puma
- 1 330 Puma
- 2 332M Super Puma
- 3 Super Puma/Puma

6 Aerospatiale SA 341 Gazelle
- 1 342M Gazelle
- 2 SA 341B
- 3 Gazelle HT. Mk 3
- 4 Gazelle HCC. Mk4
- 5 SA 341 F
- 6 SA 341 H

7 Eurocopter AS 332L Super Puma MK II and AS 532 Cougar MkII
- 1 532U2 Cougar MK II
- 2 532A2 Cougar Mk II

Kind	Domain	Country	Cat	Scat	Specific
1	2	71			
				8	Eurocopter SA 342 Gazelle
					1 SA 341 F
					2 SA 342M
				9	Eurocopter AS 532 Cougar
					1 AS 532UC
					2 AS 532Ul
					3 AS 532MC
					4 AS 532UL
				10	Eurocopter AS 565 Panther
					1 AS 365N2 Dauphin 2
					2 AS 565MA
				11	Eurocopter 365N2 Dauphin 2
					1 AS 366G1 (HH-65A Dolphin)
				12	Eurocopter BO 105
			22	Sea-going/Antisubmarine helicopter	
				1	Aerospatiale SA 319B ASTAZOU
				2	Aerospatiale SA 321 Super Frelon
					1 AS 32
				3	Eurocopter AS 532 Cougar
					1 AS 532SC
				4	Eurocopter AS 565 Panther
					1 AS 565SA
					2 AS 565F (MA)
			40	Training	
				1	Mudry CAP 10 B
				2	Socata TB 30 Epsilon
				3	Socata TB 31 Omega
				4	SEPECAT Jaguar International

Kind	Domain	Country	Cat	Scat	Specific
1	2	71			
					1 Jaguar GR. Mk 1A
				5	Dassault Mystere-Falcon 20SNA

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				

1 Carrier (Porte-Avions)

1 Nuclear-Propelled Aircraft Carriers (CVN)
1 R 91 Charles De Gaulle

2Clemenceau class (CV)
1 R 98 Clemenceau
2 R 99 Foch

4 Guided Missile Destroyers (Fregates or Escorteurs D'escadres)

1 Georges Leygues Class (Type f 70 (ASW))
1 D 640 Georges Leygues
2 D 641 Dupleix
3 D 642 Montcalm
4 D 643 Jean de vienne
5 D 644 Primauguet
6 D 645 La motte-picquet
7 D 646 Latouche-treville

2 Cassard class (Type F 70 (A/A))
1 D 614 Cassard
2 D 615 Jean Bart

3 Suffren class
1 D 602 Suffren
2 D 603 Duquesne

4 Tourville class (Type F 67)
1 D 610 Tourville
2 D 611 Duguay-Trouin
3 D 612 De grasse

5 Type F 65 (ASW)
1 D 609 Aconit (ex-F 703)

6 Guided-missile Frigate

1 La Fayette class (light frigates)
1 F 710 Lafayette
2 F 711 Surcouf
3 F 712 Courbet

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				

2 Floreal class (patrol frigates)
- 1 F 730 Floreal
- 2 F 731 Prairial
- 3 F 732 Nivose
- 4 F 733 Ventose
- 5 F 734 Vendemiaire
- 6 F 735 Germinal

7 Light/patrol craft

1 P 400 class (fast attack craft--patrol)
- 1 P 682 L'audacieuse
- 2 P 683 La boudeuse
- 3 P 684 La capricieuse
- 4 P 685 La fougueuse
- 5 P 686 La glorieuse
- 6 P 687 La gracieuse
- 7 P 688 La moqueuse
- 8 P 689 La railleuse
- 9 P 690 La rieuse
- 10 P 691 La tapageuse

2 Thomson-CSF Type (large patrol craft)
- 1 P 696 Iris

8 Mine Warfare

1 Narvik class (minehunter/sweeper)
- 1 M 660 Narvik
- 2 Bir Hakeim
- 3 Garigliano
- 4 Autun
- 5 Colmar
- 6 Berlaimont

2 Eridan (Tripartite) class (minehunters)
- 1 M 641 Eridan
- 2 M 642 Cassiopee
- 3 M 643 Andromede
- 4 M 644 Pegase
- 5 M 645 Orion
- 6 M 646 Croix du sud
- 7 M 647 Aigle

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				
					8	M 648 Lyre
					9	M 649 Persee
				3 Circe class (minehunters)		
					1	M 712 Cybele
					2	M 713 Calliope
					3	M 714 Clio
					4	M 715 Circe
					5	M 716 Ceres
				4 ex-US Aggressive class (minesweepers)		
					1	M 610 Ouistreham (ex-MSO 513)
					2	M 612 Alencon (ex-MSO 453)
					3	M 623 Baccarat (ex-MSO 505)
				5 MCM diving support ships		
					1	A 613 Acheron
					2	M 611 Vulcain
					3	M 614 Styx
					4	M 622 Pluton
			9 Dock Landing Ship			
				1 Foudre class (Type TCD 90)		
					1	L 9011 Foudre
				2 Ouragan class (TCDs)		
					1	L 9021 Ouragan
					2	L 9022 Orage
			50 Frigate			
				1 D'estienne D'orves (Type A 69) class		
					1	F 781 D'estienne D'orves
					2	F 782 Amyot d'inville
					3	F 783 Drogou
					4	F 784 Detroyat
					5	F 785 Jean Moulin
					6	F 786 Quartier Maitre Anquetil
					7	F 787 Commandant de Pimodan
					8	F 788 Second Maitre Le Bihan
					9	F 789 Lieutenant De Vaisseau Le Henaff
					10	F 790 Lieutenant De Vaisseau Lavallee

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				
					11	F 791 Commandant L'herminier
					12	F 792 Premier Maitre L'her
					13	F 793 Commandant Blaison
					14	F 794 Enseigne De Vaisseau Jacoubet
					15	F 795 Commandant Ducuing
					16	F 796 Commandant Birot
					17	F 797 Commandant Bouan
				2	Commandant Riviere class (Avisos Escorteurs)	
					1	F 726 Commandant Bory
					2	F 729 Balny
					3	F 749 Enseigne de Vaisseau Henry
			11	Landing Craft		
				1	Bougainville class (BTs)	
					1	L 9077 Bougainville
				2	Batral type (light transports and landing ships)	
					1	L 9030 Champlain
					2	L 9031 Francis Garnier
					3	L 9032 Dumont D'urville
					4	L 9033 Jacques Cartier
					5	L 9034 La grandiere
				3	Edic 700 class (LCT)	
					1	L 9051
					2	L 9052
				4	Edic class (LCT)	
					1	L 9070
					2	L 9072
					3	L 9074
				5	CDIC class (LCT)	
					1	L 9061
					2	L 9062
				6	Transport landing ship	
					1	L 9090 Gapeau
			16	Auxiliary		

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				

1 BH2 class (Batiments Hydrographiques De 2E class) (oceanographic & survey)
- 1 A 791 Laperouse
- 2 A 792 Borda
- 3 A 793 Laplace
- 4 A 795 Arago

2 Durance class (underway replenishment tankers)
- 1 A 607 Meuse
- 2 A 608 Var
- 3 A 629 Durance
- 4 A 630 Marne
- 5 A 631 Somme

3 Maintenance and repair ship
- 1 A 620 Jules Verne (ex-Acheron)

4 Rhin class (depot and support ships)
- 1 A 615 Loire
- 2 A 617 Garonne
- 3 A 618 Rance
- 4 A 621 Rhin
- 5 A 622 Rhone

5 Chamois class (supply tenders)
- 1 A 633 Taape
- 2 A 767 Chamois
- 3 A 768 Elan
- 4 A 774 Chevreuil
- 5 A 775 Gazelle
- 6 A 776 Isard
- 7 A 779 Tapatai (ex-Silver Fish)

6 RR 4000 type (supply tenders)
- 1 A 634 Rari
- 2 A 635 Revi

7 Leopard class (training ships)
- 1 A 748 Leopard
- 2 A 749 Panthere
- 3 A 750 Jaguar
- 4 A 751 Lynx
- 5 A 752 Guepard

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				

6 A 753 Chacal
7 A 754 Tigre
8 A 755 Lion

17 Auxiliary, Merchant Marine

1 Government Maritime Forces

1 Patra Class (fast patrol craft)
1 P 670 Trident
2 P 671 Glaive
3 P 672 Epee
4 P 673 Pertuisane

2 Harbour tugs (Remorqueurs De Port)

1 105-ton type
1 Y 601 Acajou
2 Y 620 Chataigner
3 Y 623 Charme
4 Y 624 Chene
5 Y 629 Cormier
6 Y 644 Frene
7 Y 654 Hetre
8 Y 655 Hevea
9 Y 663 Latanier
10 Y 666 Manguier
11 Y 668 Meleze
12 Y 669 Merisier
13 Y 686 Paletuvier
14 Y 688 Peuplier
15 Y 689 Pin
16 Y 695 Platane
17 Y 708 Saule
18 Y 709 Sycomore
19 Y 717 Ebene
20 Y 718 Erable
21 Y 719 Olivier
22 Y 720 Santal
23 Y 738 Maronnier
24 Y 739 Noyer
25 Y 740 Papayer

Kind	Domain	Country	Cat	Scat	Spec	Extra
1	3	71				

2 93-ton type

1 Y 630 Bonite
2 Y 634 Rouget

3 65-ton type

1 Y 611 Bengali
2 Y 617 Mouette
3 Y 621 Mesange
4 Y 625 Cigogne
5 Y 628 Colibri
6 6 632 Cygne
7 Y 636 Martinet
8 Y 637 Fauvette
9 Y 648 Goeland
10 Y 670 Merle
11 Y 673 Moineau
12 Y 675 Martin Pecheur
13 Y 687 Passereau
14 Y 691 Pinson
15 Y 694 Pivert
16 Y 721 Alouette
17 Y 722 Vanneau
18 Y 723 Engoulevent
19 Y 724 Sarcelle
20 Y 725 Marabout
21 Y 726 Toucan
22 Y 727 Macreuse
23 Y 728 Grand Duc
24 Y 729 Eider
25 Y 730 Ara
26 Y 747 Loriot
27 Y 748 Gelinotte

Kind	Domain	Country	Cat	Scat	Specific
1	4	71			
			1	SSBN (Nuclear Ballistic Missile)	
				1 Le Triomphant class (SNLE-NG)	
					1 S 616 Le triomphant
					2 S 617 Le temeraire
					3 S 618
					SGN (Nuclear Guided Missile)
			2	SSGN (Nuclear Guided Missile)	
				1 L'inflexible class (SNLE)	
					1 S 610 Le foudroyant
					2 S 612 Le terrible
					3 S 613 L'indomptable
					4 S 614 Le tonnant
					5 S 615 L'inflexible
			3	SSN (Nuclear Attack Ballistic Missile) (Sous-Marins Nucleaires D'attaque (SNA))	
				1 Rubis Class (SNA 72)	
					1 S 601 Rubis
					2 S 602 Saphir
					3 S 603 Casabianca
					4 S 604 Emeraude
					5 S 605 Amethyste
					6 S 606 Perle
					7 S 607 Turquoise
			5	SS (Conventional Attack-Torpedo, Patrol) (Sous-Marins D'attaque)	
				1 Agosta Class	
					1 S 620 Agosta
					2 S 621 Beveziers
					3 S 622 La praya
					4 S 623 Ouessant
				2 Daphne Class	
					1 S 643 Doris
					2 S 648 Jun
					3 S 650 Psyche
					4 S 651 Sirene

Kind	Domain	Country	Cat	Scat	Specific
1	5	71			

0 Other

1 Manned platform

6 Space Plane
1 Hermes

2 Unmanned Platform

1 Communication satellite
1 Telecom
2 Hispasat
3 Eutelsat
4 Turksat
6 Argos
7 S80/T
8 Arsene
9 Syracuse
2 Navigation

2 Electronic Intelligence satellite
1 Cerise

3 Imaging radar surveillance
1 Helios
2 Osiris SAR

4 Optical imaging surveillance
1 Syracuse 3

5 Science
1 Hipparcos
2 Titan
3 Topex/Poseidon
4 Starlette
5 SRAT 2

6 Survey
1 Stella

7 Launchers
1 Ariane

4.2.3.1.5 German platforms

All for German platforms have a Kind-field value of 1 and a Country-field value of 78.

Kind	Dom	Count	Cat	Scat	Specific
1	1 Land	78	1	Tank	
				1	Leopard 1 A5 MBT
					1 A1
					2 A2
					3 A3
					4 A4
					5 A5
				2	Leopard 2 MBT
				3	Leopard 2 (improved) MBT
			2	Armored Fighting Vehicle	
				1	Marder 1 A3
				2	Marder 2
				3	BMP 1
				4	Jaguar 1 tank destroyer, missile
				5	Jaguar 2
				6	Luchs armored reconnaissance vehicle
				7	Zobel armored reconnaissance vehicle
				8	Roland AD system, missile
				9	Gepard armored AD, gun
			3	Armored Utility Vehicle	
				1	Biber armored bridge layer
				2	Dachs armored engineer tank
				3	Keiler armored minesweeper
				4	Skorpion armored minelayer
				7	M113 armored artillery observer
				6	M113 armored motor-ambulance
			10	Mortar	
				1	M113 armored mortar

Kind	Domain	Country	Cat	Scat	Specific
1	2	78			

1 Fighter/Air Defense

- 1 MRCA Tornado
- 2 Panavia Tornado ADV
  - 1 Tornado F. Mk 2
  - 2 Tornado F. Mk 2A
  - 3 Tornado F. Mk 3
- 3 Tornado 2000
- 4 EFM (Enhanced Fighter Maneuverability) X-31A

2 Attack/Strike

- 1 Dassault/Dornier Alpha Jet
  - 1 Alpha Jet E trainer/attack
  - 2 Alpha Jet MS1
  - 3 Alpha Jet A
  - 4 Alpha Jet MS2
  - 5 Alpha Jet 2
- 2 Panavia Tornado IDS
  - 1 Tornado IDS GR. Mk 1
  - 2 Tornado IDS GR. 1A
  - 3 Tornado IDS GR. 4

7 EW

- 1 Panavia Tornado ECR

8 Reconnaissance

- 1 Panavia Tornado ECR

9 Surveillance/C^2

- 1 Transall C-160
  - 1 C-160S. Maritime
  - 2 C-160SE. Electronic
  - 3 C-160AAA AEW
- 2 Egrett II
  - 1 Strato 1

Kind	Domain	Country	Cat	Scat	Specific
1	2	78			

20 Attack Helicopter

1 Eurocopter BO 105/PAH-1/VBH/BSH-1
- 1 PAH-1
- 2 PAH-1A1
- 3 BSH
- 4 PAH-2 Tiger
- 5 HAC Tigre
- 6 HAP Tigre

21 Utility Helicopter

1 NH 90
- 1 TTH 90 medium helicopter

2 Eurocopter SA 342 Gazelle
- 1 SA 341F
- 2 SA 342M
- 3 SA 342M ATAM
- 4 SA 342M Viviane
- 5 SA 341L1

3 Eurocopter AS 350 Ecureuil/Astar and AS 550 Fennec
- 1 CH-50
- 2 TH-50 Esquilo
- 3 HA-1 Esquilo
- 4 UH-12 Esquilo
- 5 AS 350BA Ecureuil
- 6 AS 350B2 Ecureuil
- 7 AS 350 B3 Ecureuil
- 8 AS 350D AStar
- 9 AS 350 Firefighter
- 10 AS 550 Fennec
- 11 550A2
- 12 AS 550C2
- 13 AS 550M2
- 14 AS 550S2

4 Eurocopter AS 355 Ecureuil 2 Twinstar and AS 555 Fennec
- 1 CH-55
- 2 VH-55 Esquilo

Kind	Domain	Country	Cat	Scat	Specific
1	2	78			
					3 UH-12B Esquilo
					4 AS 555UN Fennec
					5 AS 555AN Fennec
					6 AS 555CN Fennec
					7 AS 555MN Fennec
					8 AS 555SN Fennec naval ASW
				5	Eurocopter AS 365N2 Dauphin 2
					1 AS 366G1 (HH-65A Dolphin)
					2 AS 565 Panther
					3 HM-1
					4 AS 565AA
					5 AS 565CA
					6 AS 565 Panther 800
					7 AS 565MA Panther
					8 AS 565SA Panther
				6	Eurocopter BO 105
					1 BO 105CB
					2 BO 105CBS
				7	Eurocopter/Kawasaki BK 117
					1 BK 117 M
					2 NBK-117
				22	Sea-going/Antisubmarine helicopter
					1 NH 90
					1 NFH 90
			40		Trainer
				1	Dassault/Dornier Alpha Jet
					1 Alpha Jet E
					2 Alpha Jet 3

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			

4 Guided Missile Destroyer

1 Ex-US Modified Charles F. Adams class (type 103B) (DDGs)
- 1 D 185 Lutjens (ex-US DDG 28)
- 2 D 186 Molders (ex-US DDG 29)
- 3 D 187 Rommel (ex-US DDG 30)

5 Destroyer

2 Hamburg class (Type 101A)
- 1 D 181 Hamburg
- 2 D 182 Schleswig-Hostein
- 3 D 183 Bayern

6 Guided Missile Frigate

1 Brandenburg class (type 123)
- 1 F 215 Brandenburg
- 2 F 216 Schleswig-Holstein
- 3 F 217 Bayern
- 4 F 218 Mecklenburg-Vorpommern

2 Bremen class (type 122)
- 1 F 207 Bremen
- 2 F 208 Niedersachsen
- 3 F 209 Rheinland-Pfalz
- 4 F 210 Emden
- 5 F 211 Koln
- 6 F 212 Karlsruhe
- 7 F 213 Augsburg
- 8 F 214 Lubeck

7 Light/patrol craft

1 Gepard class (type 143 A) (fast attack craft, missile)
- 1 P 6121 Gepard
- 2 P 6122 Puma
- 3 P 6123 Hermelin
- 4 P 6124 Nerz
- 5 P 6125 Zobel
- 6 P 6126 Frettechen

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			
					7 P 6127 Dachs
					8 P 6128 Ozelot
					9 P 6129 Wiesel
					10 P 6130 Hyane
				2	Albatros class (type 143/143B) (fast attack craft, missile)
					1 P 6111 Albatros
					2 P 6122 Falke
					3 P 6113 Geier
					4 P 6114 Bussard
					5 P 6115 Sperber
					6 P 6116 Greif
					7 P 6117 Kondor
					8 P 6118 Seeadler
					9 P 6119 Habicht
					10 P 6120 Kormoran
				3	Tiger class (type 148) (fast attack craft, missile)
					1 P 6141 Tiger
					2 P 6142 Iltis
					3 P 6143 Luchs
					4 P 6144 Marder
					5 P 6145 Leopard
					6 P 6146 Fuchs
					7 P 6147 Jaguar
					8 P 6148 Lowe
					9 P 6149 Wolf
					10 P 6150 Panther
					11 P 6151 Haher
					12 P 6152 Storch
					13 P 6153 Pelikan
					14 P 6154 Elster
					15 P 6155 Alk
					16 P 6156 Dommel
					17 P 6157 Weihe
					18 P 6158 Pinguin
					19 P 6159 Reiher
					20 P 6160 Kranich
				4	Bredstedt class (large patrol craft, Coast Guard vessels)
					1 BG 21 Bredstedt

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			

5 Sassnitz class (Coast Guard vessels)
- 1 Sassnitz (ex-P 6165, ex-591)
- 2 Sellin (ex-592)
- 3 Binz (ex-593)

6 Neustadt class (large patrol craft, Coast Guard vessels)
- 1 BG 11 Neustadt
- 2 BG 12 Bad Bramstedt
- 3 BG 14 Duderstadt
- 4 BG 15 Eschwege
- 5 BG 16 Alsfeld
- 6 BG 17 Bayreuth
- 7 BG 18 Rosenheim

7 Bremse class (harbor patrol craft, Coast Guard vessels)
- 1 GS 23
- 2 GS 30
- 3 GS 31
- 4 GS 32
- 5 GS 40
- 6 GS 41
- 7 GS 42
- 8 GS 51
- 9 GS 52

8 Mine warfare

1 Schutze class (type 340-341, minesweepers, coastal)
- 1 M 1059 Spica
- 2 M 1062 Schutze
- 3 M 1063 Waage

2 Lindau class (coastal minesweepers and minehunters: type 331, minehunters; and type 351, Troika)
- 1 M 1070 Gottingen
- 2 M 1071 Koblenz
- 3 M 1072 Lindau
- 4 M 1073 Schleswig*
- 5 M 1074 Tubingen
- 6 M 1075 Wetzlar

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			

7 M 1076 Paderborn*
8 M 1077 Weilheim
9 M 1078 Cuxhaven
10 M 1079 Duren*
11 M 1080 Marburg
12 M 1081 Konstanz*
13 M 1082 Wolfsburg *
14 M 1083 Ulm*
15 M 1085 Minden

* Troika control ships

3 Kondor II class (minesweeper, coastal)
1 M2670 Sommerda (ex-311)

4 Frauenlob class (type 394 minesweepers, inshore)
1 M 2658 Frauenlob
2 M 2659 Nautilus
3 M 2660 Gefion
4 M 2661 Medusa
5 M 2662 Undine
6 M 2663 Minerva
7 M 2664 Diana
8 M 2665 Loreley
9 M 2666 Atlantis
10 M 2667

5 Ariadne Class (Type 393 minesweepers, inshore)
1 M 2651 Freya
2 M 2653 Hertha
3 M 2654 Nymphe
4 M 2655 Hertha

6 Frankenthal class (type 332 minehunters, coastal)
1 M 1060 Weiden
2 M 1061 Rottweil
3 M 1062 Sulzbach-Rosenberg
4 M 1063 Bad Bevensen
5 M 1064 Gromitz
6 M 1065 Dillingen
7 M 1066 Frankenthal
8 M 1067 Bad Rappenau

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			

9 M 1068 Datteln
10 M 1069 Homburg

7 Hameln class (type 343 minesweepers, coastal)
1 M 1090 Pegnitz
2 M 1091 Kulmbach
3 M 1092 Hameln
4 M 1093 Auerbach
5 M 1094 Ensdorf
6 M 1095 Uberherrn
7 M 1096 Passau
8 M 1097 Laboe
9 M 1098 Siegburg
10 M 1099 Herten

8 Trials ship (type 740, ex-minesweeper)
1 A 1400 Holnis (ex-A 836)

9 Schutze class (type 732, diver-support ship)
1 M 1053 Stier (ex-Y 849)

10 Sachsenwald class (type 762, mine transport)
1 A 1438 Steigerwald

11 Kondor I class (minesweeper/patrol craft; Coast Guard vessels)
1 BG 31 Templin (ex-GS 06, ex-G 442)
2 BG 32 Kuhlungsborn (ex-GS 07, ex-G 445)
3 BG 33 Ahrenshoop (ex-GS 08, ex-G 415)
4 GS 01 Uckermunde (ex-G 411)
5 GS 02 Demmin (ex-G 422)
6 GS 03 Malchin (ex-G 441)
7 GS 04 Altentreptow (ex-G 414)
8 GS 05 Pasewalk (ex-G 423)
9 GS 09 Boltenhagen (ex-G 443)

11 Landing Craft

1 Type 521 (LCMs)
1 LCM 12 Sprotte
2 LCM 13 Sardine
3 LCM 14 Sardelle
4 LCM 15 Hering

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			
					5 LCM 16 Orfe
					6 LCM 17 Marane
					7 LCM 18 Saibling
					8 LCM 19 Stint
					9 LCM 20 Aesche
					10 L 780 Hummer
					11 L 781 Krill
					12 L 782 Krabbe
					13 L 783 Auster
					14 L 784 Muschel
					15 L 785 Koralle
					16 L 786 Garnele
					17 L 787 Languste
				2 Type 520 (LCUs)	
					1 L 760 Flunder
					2 L 761 Karpfen
					3 L 762 Lachs
					4 L 763 Plotze
					5 L 766 Stor
					6 L 767 Tummler
					7 L 768 Wels
					8 L 769 Zander
					9 L 788 Butt
					10 L 795 Inger
				3 Mannheim 59 class (river landing craft, LCMs)	
				4 Bodan class (river landing craft, LCMs)	
			16 Auxiliary		
				1 Elbe class (type 404, tenders)	
					1 A 511 Elbe
					2 A 512 Mosel
					3 A 513 Rhein
					4 A 514 Werra
					5 A 515 Main
					6 A 516 Donau
				2 Rhein class (type 401, tenders)	
					1 A 58 Rhein
					2 A 61 Elbe

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			

3 A 63 Main
4 A 69 Donau

3 Replenishment tankers (type 704)
1 A 1442 Spessart (ex-Okapi)
2 A 1443 Rhon (ex-Okene)

4 Walchensee class (type 703, replenishment tankers)
1 A 1424 Walchensee
2 A 1425 Ammersee
3 A 1426 Tegernsee
4 A 1427 Westensee

5 Type 763 (support tanker)
1 A 1407 Wittensee (ex-Sioux)

6 Luneburg class (type 701, support ships)
1 A 1411 Luneburg
2 A 1413 Freiburg*
3 A 1414 Glucksburg*
4 A 1415 Saarburg*
5 A 1416 Nienburg
6 A 1417 Offenburg
7 A 1418 Meersburg*

*conversions

7 Westerwald class (type 760, ammunition transports)
1 A 1435 Westerwald
2 A 1436 Odenwald

8 Towing launches (type 946)
1 AK 1 Y 1671
2 AK 3 Y 1672
3 MA 2 Y 1676
4 MA 3 Y 1677
5 Borby Y 1687

9 Oste Class (type 423, AGI)
1 A 50 Alster
2 A 52 Oste
3 A 53 Oker

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			
				10	Trials ship (type 742)
					1 A 1410 Walther Von Ledebur (ex-Y 841)
				11	Research ship (type 750)
					1 A 1450 Planet
				12	Trials ship (type 741)
					1 A 1408 SP 1 (ex-A 837)
					2 A 1409 Wilhelm Pullwer (ex-Y 838)
				13	Diving tender (type 732)
					1 M 1050 TB1
				14	Helgoland class (type 720, salvage tugs)
					1 A 1457 Helgoland
					2 A 1458 Fehmarn
				15	Wangerooge class (type 722, type 754; tugs)
					1 A 1439 Baltrum
					2 A 1440 Juist
					3 A 1441 Langeoog
					4 A 1451 Wangerooge
					5 A 1452 Spiekeroog
					6 A 1455 Rderney
			17	Auxiliary, Merchant Marine	
				1	Harbor tugs (type 724)
					1 Y 820 Sylt
					2 Y 821 Fohr
					3 Y 822 Amrum
					4 Y 823 Neuwerk
					5 Y 1680 Neuende
					6 Y 1681 Heppens
					7 Y 1682 Ellerbek
				2	Harbor tugs (type 725)
					1 Y 812 Lutjehorn
					2 Y 814 Knechtsand
					3 Y 815 Scharhorn
					4 Y 816 Vogelsand
					5 Y 817 Rdstrand
					6 Y 819 Langeness

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			
				3	Harbor tugs (type 414)
					1 Koos (ex-Delphin)
					2 Wustrow (ex-Zander)
					3 Drankse (ex-Kormoran)
					4 Y 1651 (ex-A 08)
					5 Y 1656 (ex-A 45)
					6 Y 1658 (ex-A 68)
				4	Icebreaking tug (type 724; Coast Guard vessels)
					1 BG 5 Rettin
			18	Utility	
				1	Gustav Konigs class (harbor tankers)
					1 Y 1652 Kolpinsee (ex-C 11)
					2 Y 1657 Fleesensee (ex-C 40)
				2	Ohre class (accommodation ships)
					1 Y 890 Vogtland (ex-H 71)
					2 Y 891 Altmark (ex-H 11)
					3 Y 892 Havelland (ex-H 51)
					4 Y 893 Uckermark (ex-H 91)
					5 Y 894 Borde (ex-H 72)
					6 Y 895 Wische (ex-H 31)
				3	Type 705 (water boats)
					1 FW 1 A 1403 (ex-Y 864)
					2 FW 5 A 1405 (ex-Y 868)
				4	Knurrhahn Class (type 730, accommodation ship)
					1 Y 811 Knurrhahn
				5	Battery-charging craft (type 718)
					1 LP 1
					2 LP 2
					3 Y 1690 LP 3
				6	Schwedeneck class (type 748, multipurpose)
					1 Y 860 Schwedeneck
					2 Y 861 Kronsort
					3 Y 862 Helmsand
				7	Stollergrund class (type 745, multipurpose)

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			
					1 Y 863 Stollergrund
					2 Y 864 Mittelgrund
					3 Y 865 Kalkgrund
					4 Y 866 Breitgrund
					5 Y 867 Bant
				8 Trials ship (type 740)	
					1 Y 871 Heinz Roggenkamp
				9 Floating docks (types 712-715) and cranes (type 711)	
					1 A Y 842 Schwimmdocks
					2 Y 875 Hiev
					3 B Y 879 Schwimmdocks
					4 Y 876 Griep
					5 c, 2 and 3
				10 Tank cleaning vessels (type 710)	
					1 Y 1641 Forde
					2 Y 1642 Jade
				11 Trial boat (type 740)	
					1 Y 1689 Bums
				12 General service launches (types 740, 743, 744, 744a)	
					1 Y 1670 MT-BOOT
					2 Y 1673 AK 5
					3 Y 1674 AK 6
					4 Y 1675 AM 8
					5 Y 1679 AM 7
					6 Y 1683 AK 6
					7 Y 1684 Peter Bachmann
					8 Y 1686 AK 2 Y
				13 Range-safety craft (5 type 369, 1 type 909)	
					1 Y 827 KW 15
					2 Y 830 KW 16
					3 Y 845 KW 17
					4 Y 832 KW 18
					5 Y 846 KW 20
					6 Y 857 H 11

Kind	Domain	Country	Cat	Scat	Specific
1	3	78			
				14	Twin-hull oil-recovery ships (type 738)
					1 Y 1643 Bottsand
					2 Y 1644 Eversand
				15	Torpedo recovery vessels (type 430A)
					1 Y 851 TF 1
					2 Y 852 TF 2
					3 Y 853 TF 3
					4 Y 855 TF 5
			50	Frigate	
				1	Thetis class (type 420)
					1 P 6053 Hermes
					2 P 6055 Triton
					3 P 6056 Theseus

Kind	Domain	Country	Cat	Scat	Specific
1	4	78			

5 SS (Conventional attack-torpedo, patrol)

1 Type 206

1 S 192 U 13
2 S 193 U 14
3 S 198 U 19
4 S 199 U 20
5 S 170 U 21
6 S 176 U 27

2 Type 206A

1 S 194 U 15
2 S 195 U 16
3 S 196 U 17
4 S 197 U 18
5 S 171 U 22
6 S 172 U 23
7 S 173 U 24
8 S 174 U 25
9 S 175 U 26
10 S 177 U 28
11 S 178 U 29
12 S 179 U 30

3 Type 205

1 S 188 U 9
2 S 189 U 10
3 S 190 U 11
4 S 191 U 12

Space

Kind	Domain	Country	Cat	Scat	Specific
1	5	78			

1 Manned

- 1 Space vehicles
  - 1 Hermes
  - 2 Saenger Spaceplane
- 2 Space Station
  - 1 Columbus
- 3 Space Lab
  - 1 D1
  - 2 D2
  - 3 D3
  - 4 IML 1

2 Unmanned

- 1 Communication satellite
  - 1 DFS-Kopernikus
  - 2 Artemis
  - 3 DRS
- 2 Meteorology satellite
  - 1 Atmos
  - 2 Azur
  - 3 X-SAR
  - 4 ERS
  - 5 POEM
- 3 Optical Radar Surveillance Satellite
  - 1 Rosat
- 4 Science satellite
  - 2 Ulysses
  - 3 Galileo
  - 4 Soho & Cluster
  - 5 Eureca
  - 6 Astro-SPAS
  - 7 HST
  - 8 Mars-94/96
  - 9 ISO
  - 10 Huygens/Cassini
  - 11 Giotto

Kind	Domain	Country	Cat	Scat	Specific
1	5	78			
					12 Hipparcos
					13 Compton
					15 Bremsat
				5 Microgravity Satellite	
					1 Spacelab
					2 Eureca
					3 SPAS
					4 Maxus
					5 Texus
					6 Mikroba
					7 Mir-92
					8 MAUS
					9 Express
				6 Launchers	
					1 Ariane
					2 Maxus
					3 Saenger
				7 Miscellaneous	
					1 Shuttle Pallet (SPAS)

4.2.3.2 Munitions

4.2.3.2.1 U.S. munitions

All U.S. munitions have a Kind-field value of 2 and a Country-field value of 225.

4.2.3.2.1.1 Other

Kind	Domain	Country	Cat	Scat	Specific
2	0	225			
			1	Guided	
				1	Deadeye 5-in. projectile
			3	Fixed	
				1	Mine-clearing torpedo, Bangalore
					1 M1A1
					2 M1A2

4.2.3.2.1.2 Anti-air

Kind	Domain	Country	Cat	Scat	Specific
2	1	225			
			1	Guided	
				1	AIM-9 Sidewinder
					1 AIM-9B
					2 AIM-9D
					3 AIM-9L/M/S
					4 AIM-9P
					5 AIM-9R
				2	AIM-120 Advanced Medium-Range Air-to-Air Missile (AMRAAM)
					1 AIM-120A
				4	Falcon
					1 AIM-4D
					2 AIM-4F
					3 AIM-4G
					4 AIM-26
					5 AIM-26B
				5	MIM-72 Chaparral
				6	MIM-23 Hawk C/E/F/G/H
					1 MIM-23B I-Hawk
				7	MLMS
				8	AIM-54 Phoenix
					1 AIM-54A
					2 AIM-54C
				9	Rapier UK
				10	FIM-43 Redeye
				11	Roland
				12	Sea Sparrow
					1 RIM-7H
				13	Sparrow

1 AIM-7F
2 AIM-7M
3 AIM-7P
4 RIM-66
5 RIM-67

15 Stinger
1 FIM-92 Stinger A/B/C
2 Stinger Post
3 Stinger RMP

16 MIM-104 Patriot

17 Tartar

18 Terrier

17 RIM-24
1 RIM-24B

18 RIM-2

19 ADATS

20 MIM-14B Nike-Hercules

21 Theatre High-Altitude Area Defense (THAAD)

22 LTV Extended Range Interceptor (ERINT)

2 Ballistic

1 3-in, .50 caliber

2 12.7-mm/.50 caliber
1 M2 AP
2 M8 API
3 M20 API-T
4 M2 ball
5 M33 ball
6 M1 incediary
7 M23 incendiary

3 Fixed

1 Anti-helicopter mine (AHM)

4.2.3.2.1.3 Anti-armor

Kind	Domain	Country	Cat	Scat	Specific
2	2	225			
			1	Guided	
				1	BGM-71 TOW
					1 BGM-71A/B
					2 BGM-71C ITOW
					3 BGM-71D TOW 2
				2	Dragon ATGW
					1 Dragon
					2 Dragon II
					3 Dragon III
				3	AGM-114 Hellfire
					1 AGM-114A
					2 AGM-114B
					3 AGM-114C
					4 AGM-114F
				4	AGM-65 Maverick
					1 AGM-65A
					2 AGM-65B
					3 AGM-65D
					4 AGM-65E
					5 AGM-65F
					6 AGM-65G
				5	M712 Copperhead Cannon Launched Guided Projectile
				6	AAWS-M
				7	High Velocity Missile (HVM)
			2	Ballistic	
				1	12.7-mm (.50 Cal)
					1 M2 AP
					2 M8 API
					3 M17
					4 M20 API-T

2 20 mm
- 1 M39
- 2 M53 API
- 3 M601 API-T
- 4 M775 API-T
- 5 M940 MP-T-SD
- 6 MK149 Mod 4 APDS
- 7 Oerlikon S
- 8 PGU-28/B SAP-HE
- 9 U.S. Navy Mark 100

3 25 mm
- 1 Oerlikon KBA
- 2 M791 APDS-T
- 3 M919 APFSDS-T
- 4 PGU-20/U API
- 5 PGU-32/U, SAPHEI

4 30 mm
- 1 173 Mauser model F APDS-T
- 2 GAU-8/A

5 66 mm 72 LAW

6 76 mm
- 1 M319, HVAP-T
- 2 M331A1, HVAP-DS-T
- 3 M331A2, HVAP-DS-T
- 4 M339, AP-T
- 5 M464, APFSDS-T
- 6 M496, HEAT-T

7 81 mm

8 84 mm

9 90 mm
- 1 M77 AP-T
- 2 M82 APC-T
- 3 M318 AP-T
- 4 M318A1 AP-T
- 5 M332A1 HVAP-T
- 6 M348 HEAT
- 7 M348A1 HEAT
- 8 M431 HEAT-T

9 RCL M67

10 105 mm
- 1 FP105, APFSDS
- 2 M392 APDS-T
- 3 M392A2 APDS-T
- 4 M456 HEAT-T
- 5 M456A2 HEAT-T
- 6 M662 HEAT-T
- 7 M728 APDS-T
- 8 M735 APFSDS-T
- 9 M774 APFSDS-T
- 10 M833 APFSDS-T
- 11 M900 APFSDS-T
- 12 Olin 105, APFSDS
- 13 XM815 HEAT-MP

11 106 mm RCL40 (M40)

12 107 mm

13 120 mm
- 1 M829 APFSDS-T
- 2 M829A1 APFSDS-T
- 3 M830 HEAT-MP-T
- 4 Olin 120 APFSDS
- 5 Olin 120+ APFSDS

14 152 mm
- 1 M409 Series HEAT-T-MP

15 155 mm

16 227-mm rocket

20 Hydra 70 Rocket System

50 Rockeye II Mk 20 cluster weapon

51 SUU-65/B TAC Munition Dispenser (TMD) Wide Area Antiarmor Munition (WAAM)

3 Fixed

1 Area Denial Artillery Munition (ADAM)

2 Extended Range Anti-armor Munition (ERAM)

3 GATOR Anti-armor System

4 XM93 Wide Area Mine (WAM)

5 M21 Heavy Antitank mine

6 Off-route Antitank mine
  1 M24
  2 M66

7 M19 Antitank mine

8 M15 Antitank mine

9 M86 Pursuit Deterrent Munition (PDM)

4.2.3.2.1.4 Anti-guided-weapon

Kind	Domain	Country	Cat	Scat	Specific
2	3	225			

1 Guided

1 Decoys
  1 Anti-Radiation Missile Decoy (ARM-D)

2 RIM-72 Sea Chaparral

3 RIM-116A RAM

4.2.3.2.1.5 Antiradar

Kind	Domain	Country	Cat	Scat	Specific
2	4	225			
			1	Guided	
				1	AGM-88 High-speed Antiradiation Missile (HARM)
					1 AGM-88A
					2 AGM-88B
					3 AGM-88C
				2	AGM-45 Shrike
					1 AGM-45A
					2 AGM-45B
				3	AGM-78 Standard ARM
				4	AGM-122 Sidearm
					1 AGM-122A
				5	AGM-136 TACIT RAINBOW
					1 AGM-136A
				6	Stinger
					1 Air Defense Suppression Missile (ADSM)

4.2.3.2.1.6 Antisatellite

Kind	Domain	Country	Cat	Scat	Specific
2	5	225			
			1	Guided	
				1	Asat

4.2.3.2.1.7 Antiship

Kind	Domain	Country	Cat	Scat	Specific
2	6	225			
			1	Guided	
				1	Harpoon
					1 AGM-84A
					2 UGM-84A
					3 RGM-84A
				5	NT 37F torpedo
					1 Mod 2
					2 Mod 3
					3 NT 37E
				7	MK50 Torpedo Advance Light Weight (ALWP)
				8	AGM-142 Popeye
				9	AGM-119 Penguin
				10	AGM-123 Skipper
					1 AGM-123A
				11	RBS 17 Hellfire (AGM-114B) anti-surface-vessel missile
				12	Tomahawk Antiship Missile (TASM)
			2	Ballistic	
				1	5-in .38 caliber
				2	5-in .54 caliber
					1 AAC
					2 HC
					3 HE-IR
					4 HE-PD
					5 HE
					6 HE-CVT
					7 IR
					8 VT (Variable Time)
					9 VT-IR (Variable Time, Infrared)

10 VT-RF

3 76 mm
1 AAC
2 HE
3 HE-PD
4 VT fragmentation
5 VT IR

3 Fixed

1 DST Mk 36 mine

2 DST Mk 40 mine

3 DST Mk 41 mine

4 DST 115A mine

5 Mk 52 bottom mine
1 Mod 1
2 Mod 2
3 Mod 3

6 Mk 55 bottom mine
1 Mod 2
2 Mod 3
3 Mod 5
4 Mod 6
5 Mod 7

6 Mk 56 Mod 0 moored mine

7 Mk 57 moored mine
1 Mod 0

8 Quickstrike mines
1 Mk 62
2 Mk 63
3 Mk 64
4 Mk 65

9 CAPTOR - Encapsulated Torpedo moored mine

10 Advanced sea mine

4.2.3.2.1.8 Antisubmarine

Kind	Domain	Country	Cat	Scat	Specific
2	7	225			
			1	Guided	
				1	Mk 46 torpedo
					1 Mk 46 Mod 0
					2 Mk 46 Mod 5 (NEARTIP)
					3 Mk 46 Mod 7
				2	Mk 48 torpedo
				3	M50 Barracuda torpedo
				4	MK37 torpedo
					1 Mod 0
					2 Mod 1
					3 Mod 2
					4 Mod 3
				5	RUR-5A ASROC
				6	CASW/SOW
				7	SUBROC
					1 UUM-44A
				9	Mk 44 torpedo
				10	Mk 48 ADCAP torpedo
				11	Mk 50 Advanced lightweight torpedo
					1 Mod 1
					2 Mod 2
				12	NT 37F
					1 Mod 2
					2 Mod 3
					3 NT 37E
				13	HOTTORP torpedo
				14	Sea Lance ASW

18 Mk 32 torpedo
1 Mod 2

4.2.3.2.1.9 Antipersonnel

Kind	Domain	Country	Cat	Scat	Specific
2	8	225			
			2	Ballistic	
				1	5.56 mm
					1 M193
					2 M193 Tracer
					3 5.45 x 45
					4 5.56 x 45
				2	7.62 mm
					1 .30 Carbine
					2 .308 Winchester
					3 .30-06 Springfield
					4 M60
					5 M14
					6 M16
				3	9.0 mm
					1 .380 Auto
					2 Browning Short
					3 Parabellum
					4 Winchester Magnum
				4	11.43 mm
				5	12.7 mm
					1 .50 Spotting rifle
					2 .50 Browning MG
				6	7.65 mm
					1 Browning
					2 Parabellum
				7	90 mm
					1 M580 APERS-T
				8	105 mm
					1 M336 canister
					2 M377 canister
					3 M494 APERS-T
					4 M546 APERS-T

9 152 mm
- 1 M625A1 cannister (flechettes)

10 .243
- 1 Winchester

11 .357
- 1 Magnum

12 .38 Cal
- 1 Auto
- 2 Super Auto
- 3 Special

13 .45
- 1 Auto Colt

14 6.35

50 BLU-97 Submunition
- 1 BLU-97A
- 2 BLU-97B

51 ISCB-1 Area Denial Cluster Weapon

3 Fixed

1 Bounding mines
- 1 M16
- 2 M16A1
- 3 M16A2
- 4 M2A4

2 Claymore mine

3 M15 heavy AT mine

4 M19 nonmetallic AT mine

5 M21 heavy AT mine

6 M741 scatterable AT mine

7 M718 scatterable AT mine

8 M75 scatterable AT mine

9 Nonmetallic "Toe Popper" mine
  1 M14

10 M731 scatterable mine

11 M692 scatterable mine

12 M74 scatterable mine

13 M1 one-gallon chemical mine

14 M18A1 mine

15 M23 chemical-agent mine

16 M26 mine

4.2.3.2.1.10 Battlefield Support

Kind	Domain	Country	Cat	Scat	Specific
2	9	225			
			1	Guided	
				1	AGM-86 Air Launched Cruise Missile (ALCM)
					1 AGM-86B
					2 AGM-86C
				2	AGM-12 Bullpup
					1 AGM-12 Bullpup A
					2 AGM-12 Bullpup B
				3	MGM-52C Lance
				4	MGM-31 Pershing
				5	AGM-109 Tomahawk
				6	BGM-109G Tomahawk
				7	AGM-62 Walleye
				8	SRAM-A
					1 AGM-69A
					2 AGM-69B
				9	SLAM
					1 AGM/RGM 84E
				10	Advanced Cruise Missile
					1 AGM-129A
				11	SRAM
					1 AGM-131A SRAM-2
					2 AGM-131B SRAM-T
				12	AGM 130
					1 AGM-130A
					2 AGM-130C
				13	Boeing 120-mm Fiber Optic Mortar Projectile (FOMP)

14 Mk-82

15 Mk-84 bomb
- 1 GBU-15 Glide Bomb
- 2 GBU-24A/B Glide Bomb
- 3 PAVEWAY II laser-guided
- 4 GBU-10 Mk 84 2000-lb
- 5 GBU-12 Mk 82 500-lb
- 6 GBU-16 Mk 83 1000-lb
- 7 Mk 13/18 1000-lb

16 Paveway III
- 1 GBU-24A/B Mk 109/B 2000-lb pen Bm
- 2 GBU-24B Mk 84 2000-lb HE bomb

2 Ballistic

1 20 mm
- 1 M39
- 2 M56 HEI
- 3 M56A3 HE/I
- 4 M210 HEI
- 5 M242 HE-I-T
- 6 M246 HEIT-SD
- 7 M246 HEI-T
- 8 M940 MPT-SD
- 9 Mk 149 (Mod2, 4) CIWS

2 25 mm
- 1 792 HE-I-T
- 2 PGU-22/25 HE-I

3 30 mm
- 1 M789 HEDP

4 40 mm
- 1 Grenade cartridges

5 60 mm
- 1 M49A4 HE bomb
- 2 M49A5 HE bomb
- 3 M83A3 illuminating bomb

4 M302A2 smoke bomb
5 M720 HE bomb

6 66 mm rocket

7 76 mm
1 M352 HE
2 M361 smoke
3 M361A1 smoke
4 M363 HE

8 81 mm
1 M43A1 HE bomb
2 M43A1B1 HE bomb
3 M57 smoke WP bomb
4 M57A1 smoke WP bomb
5 M301A1 illuminating bomb
6 M301A2 illuminating bomb
7 M301A3 illuminating bomb
8 M362 HE bomb
9 M362A1 HE bomb
10 M370 smoke bomb
11 M374 HE bomb
12 M374A2 HE bomb
13 M374A3 HE bomb
14 M375 smoke bomb
15 M375A1 smoke bomb
16 M375A2 smoke bomb
17 M445 training bomb

9 90 mm
1 M71 HE
2 M71 A1 HE-T
3 M313 smoke
4 M313C smoke

10 105 mm
1 M1 HE
2 M60 Agent H/HD
3 M60 smoke
4 M84 smoke
5 M314 illumination
6 M314A3, illuminating cartridge
7 M327 HEP/HEP-T
8 M360 Agent GB

9 M393 HEP-T
10 M413 HE
11 M416 smoke WP
12 M444 HE
13 M548 HERA
14 M629 tactical CS
15 M657 HE-T
16 M760 HE
17 M913 RAP
18 XM872 KE

11 120 mm

12 127 mm

13 152 mm

14 155 mm
1 BGD155C ICM
2 M107 HE
3 M483A1 HE DP (ICM)
4 M485 illumination
5 M485A1 illumination
6 M485A2 illumination
7 M549 HE RA
8 M549A1 HE RA
9 M864 BB ICM

15 203 mm
1 M106 HE
2 M404 HE/ICM
3 M422 nuclear
4 M426 Agent GB
5 M509 HE/ICM
6 M509 A1, HE/ICM
7 M650 HERA
8 M753 nuclear

16 227 mm rocket

17 406 mm

18 107 mm
1 M328 smoke bomb
2 M328 A1 smoke bomb

3 M329 A1 HE bomb
4 M329 A2 HE bomb
5 M335 illuminating bomb
6 M335 A2 illuminating bomb
7 M630 tactical CS bomb

19 7.62 mm
1 A131 (4 Ball & 1 Tracer Mix)
2 M62 (4 Ball & 1 Tracer)
3 M80

20 12.7 mm
1 M2 ball
2 M17 tracer
3 M33 ball

21 70 mm (2.75 in) rocket
1 M 151 HE
2 M 255 flechette
3 M 261 submunitions
4 M 262

22 175 mm [1]
1 M437A1 HE
2 M437A2 HE

40 M76 vehicle smoke grenade

41 M243 smoke grenade

42 M250 smoke grenade

43 M257 grenade
1 L8A1/A3 red phosphorous smoke grenade
2 L8A1/A3 WP smoke grenade

44 M545 universal fragmentation grenade

45 M560-series antipersonnel fragmentation grenades

[1] The M107 175-mm gun is no longer in service with the U.S. Army but is still used by some other nations.

46 Ring Airfoil Grenade (RAG)

50 B28 nuclear bomb
- 1 B28 EX
- 2 B28 FI
- 3 B28 IN
- 4 B28 RE
- 5 B28 RI

51 B43 nuclear bomb

52 B53 nuclear bomb

53 B57 nuclear bomb

54 B61 nuclear bomb
- 1 mod O
- 2 mod 1
- 3 mod 2
- 4 mod 3
- 5 mod 4
- 6 mod 5

55 B83 nuclear bomb

56 BLU-73/B FAE Bomb

57 BLU-109/B Bomb

58 CBU 15

59 CBU 52

60 CBU-55

61 CBU 58

62 CBU 71

63 CBU 75

64 CBU 87
- 1 CBU-87/B (CEM)

66 CBU 89

67 CBU-97/B

68 Direct Airfield Attack Combined Munition Weapon (DAACM)

69 Durandal

70 M117 GP bomb
  1 M117R

71 Mk-20

72 Mk-81

73 Mk-82
  1 Mk-82RE

74 Mk-83

75 Mk-84
  1 Mk-84RE

76 Sensor Fused Weapon (SFW)

3 Fixed
  1 SLAM

4.2.3.2.1.11 Strategic

Kind	Domain	Country	Cat	Scat	Specific
2	10	225			
			1	Guided	
				1	AGM-86B ALCM
				2	AGM-109 Tomahawk
				3	BGM-109G Tomahawk
				4	Tomahawk
					1 M-109A (TLAM-N)
					2 BGM-109B TASM
					3 BGM-109C (TLAM-C)
					4 BGM-109D (TLAM-D)
				5	LGM-25C Titan II
				6	LGM-30F Minuteman II
				7	LGM-30G Minuteman III
				8	MGM-118 Peacekeeper
				9	UGM-73 Poseidon
				10	UGM-93A Trident (II)

4.2.3.2.2 C.I.S. munitions

All C.I.S. munitions have a Kind-field value of 2 and a Country-field value of 222.

4.2.3.2.2.1 Anti-air

Kind	Domain	Country	Cat	Scat	Specific
2	1	222			
			1	Guided	
				1 AA-1 Alkali	
				2 AA-2 Atoll	
					1 AA-2C
					2 AA-2D
				3 AA-3 Anab	
					1 AA-3, IR
					2 AA-3, radar
				5 AA-5 Ash	
					1 AA-5, IR
					2 AA-5, radar
				6 AA-6 Acrid	
					1 AA-6, IR
					2 AA-6, radar
				7 AA-7 Apex	
					1 AA-7, IR
					2 AA-7, radar
				8 AA-8 Aphid	
				9 AA-9 Amos	
					1 AA-9, inertial
					2 AA-9, command update
					3 AA-9, radar
				10 AA-10 Alamo	
					1 AA-10, radar
					2 AA-10, inertial, IR
				11 AA-11 Archer	

12 AA-X-12

13 SA-1 Guild

14 SA-2 Guideline

15 SA-3 Goa
- 1 SA-3A
- 2 SA-3B

16 SA-4 Ganef
- 1 SA-4A
- 2 SA-4B

17 SA-5 Gammon
- 1 SA-5A
- 2 SA-5B
- 3 SA-5C

18 SA-6 Gainful
- 1 SA-6A
- 2 SA-6B

19 SA-7 Grail
- 1 SA-7A
- 2 SA-7B
- 3 SA-7B (Spetsnaz mod)
- 4 SA-7C

20 SA-8 Gecko
- 1 SA-8A mod 0
- 2 SA-8B mod 1

21 SA-9 Gaskin

22 SA-10 Grumble
- 1 SA-10A (static)
- 2 SA-10B (mobile)

23 SA-11 Gadfly

24 SA-12 Gladiator/Giant
- 1 SA-12A Gladiator SAM
- 2 SA-12A Gladiator ATBM
- 3 SA-X-12B Giant SAM

4 SA-X-12B Giant SAM (rail w/ SS-24)

25 SA-13 Gopher
1 Strela 10M2
2 Strela 10M3

26 SA-14 Gremlin

27 SA-15

28 SA-16 Gimlet

29 SA-X-17 (replaces SA-11)

30 SA-18

31 SA-19

32 SA-N-1 Goa (M-1 Volga-M)

33 SA-N-3 Goblet
1 SA-N-3 Mod 0
2 SA-N-3B Mod 1

34 SA-N-4 (OSA-M)

35 SA-N-5 Grail (Strela 2)

36 SA-N-6

37 SA-N-7 Gadfly (Smerch/Shtil)

38 SA-N-8 Gremlin (Strela 3)

39 SA-N-9 Tor-M/Klinok)

40 SA-N-11 (9M311)

2 Ballistic

1 12.7 mm

2 14.5 mm
1 API

2 API-T
3 I-T

3 23 mm

1 NS HE-I-T OZT
2 NS AP-I BZ
3 VYa HE-I-T OZT
4 VYa AP-I BZ

5 25 mm

1 M1940 HE-I-T UOZR-132
2 M1940 AP-T UZR-132
3 2-M3
4 2-M8

6 30 mm

1 BR-83 AP-T
2 OF-83D HE

7 57 mm

8 76 mm

9 85 mm

10 100 mm

11 130 mm

1 SM-4-1 ?

4.2.3.2.2.2 Anti-armor

Kind	Domain	Country	Cat	Scat	Specific
2	2	222			
			1	Guided	
				1	RPG-7VAT Rocket Launcher
				3	AT-1 Snapper
				4	AT-2 Swatter
					1 Swatter A/B (radio command)
					2 Swatter C (SACLOS)
				5	AT-3 Sagger
					1 Sagger (MCLOS)
				6	AT-4 Spigot
					1 Spigot A
					2 Spigot B
				7	AT-5 Spandrel
				8	AT-6 Spiral
				9	AT-7 Saxhorn
				11	AT-9
			2	Ballistic	
				1	23 mm
				2	30 mm
				3	64 mm
					1 (w/ RPG-18 light anti-armor weapon)
				4	73 mm
				5	76 mm
				6	80 mm

7 82 mm
- 1 BK-881 HEAT
- 2 BK-881M HEAT

8 85 mm

9 107 mm

10 115 mm

11 125 mm

12 BRAB-200DS HE AP

13 BRAB-220 HE AP

14 BRAB-500 HE AP

15 BRAB-1000 HE AP

16 PTAB-2.5 bomblet HE anti-armor

4.2.3.2.2.3 Anti-guided-weapon

Kind	Domain	Country	Cat	Scat	Specific
2	3	222			
			1	Guided	
				1	SH-01 Galosh (UR-96)
				2	SH-08
				3	SH-11 Gorgon
			2	Ballistic	
				1	30 mm
					1 UOF-84 HE-I
					2 UOR-84 HE-T
				2	250 mm
					1 ASW rocket launcher
				3	300 mm
					1 ASW Rocket Launcher

4.2.3.2.2.4 Antiradar

Kind	Domain	Country	Cat	Scat	Specific
2	4	222			
			1	Guided	
				1	AS-4 Kitchen
				2	AS-9 Kyle
				3	AS-12 Kegler
				4	AS-11 Kilter
				5	KH-31P/X-31 or possibly AS-17

4.2.3.2.2.5 Antisatellite

Kind	Domain	Country	Cat	Scat	Specific
2	5	222			
			1	Guided	
				1	Antisatellite System

4.2.3.2.2.6 Antiship

Kind	Domain	Country	Cat	Scat	Specific
2	6	222			
			1	Guided	
				2	AS-4 Kitchen
				4	AS-6 Kingfish
				5	AS-13 Kingbolt
				6	AS-14 Kedge
				7	AS-15 Kent
					1 AS-15A w/ Tu-95 Bear-H
					2 S-15B w/ Tu-160 Blackjack
				8	SS-N-2 Styx
					1 SS-N-2a
					2 SS-N-2b
					3 SS-N-2c
					4 SS-N-2d
				9	SS-N-7 Starbright
				10	SS-N-9 Siren
				11	SS-N-12 Sandbox
				12	SS-N-19 Shipwreck
				13	SS-N-22 Sunburn
				14	SS-N-3 Shaddock
					1 SS-N-3a
					2 SS-N-3b
					3 SS-N-3c
				15	SSC-2b Samlet Cruise
				16	SSC-1b Sepal
				17	SSC-3 Styx

18 533-mm torpedo

19 406-mm torpedo

20 SA-N-11 (SA-19 ?)

21 SS-N-14 Silex

22 SS-N-21 Sampson

23 SS-N-25 (Kh 35)

2 Ballistic

1 12.7 mm

2 14.5 mm

3 23 mm

4 25 mm

5 30 mm
- 1 BR-83 AP-T
- 2 OF-83D HE

6 57 mm

7 76 mm

8 85 mm

9 100 mm

10 130 mm
- 1 SM-4-1

4.2.3.2.2.7 Antisubmarine

Kind	Domain	Country	Cat	Scat	Specific
2	7	222			
			1	Guided	
				1	FRAS-1 (aka SUW-N-1)
				2	SS-N-14 Silex
				3	SS-N-15 Starfish
				4	SS-N-16 Stallion
				5	533-mm torpedo
					1 Type 3
					2 Type 3 nuclear
					3 new passive wake-homing turbine
					4 new electric
				6	406-mm Type 40 torpedo
				7	650-mm submarine-launched torpedo
				8	RBU 1000
				9	RBU 1200
				10	RBU 2500
				11	RBU 6000
				12	RBU 12000
				13	Type 45 (light, air-launched)
				14	Type E53 (light, air-launched)
			2	Ballistic	
				1	FRAS-1/SUW-N-1 (VETER)

4.2.3.2.2.8 Antipersonnel

Kind	Domain	Country	Cat	Scat	Specific
2	8	222			
			2	Ballistic	
				1 5.45 mm	
					1 5.45-mm Soviet pistol (aka 5.45 x 18 mm)
					2 5.45-mm Soviet rifle (aka 5.45 x 39.5 mm and 5.45-mm M74)
				2 7.62 mm	
					1 7.62 x 25-mm Soviet pistol (aka 7.62-mm Tokarev)
					2 7.62 x 38R Nagant Revolver (aka 7.62-mm Soviet revolver and 7.62-mm Nagant gas-seal)
					3 7.62-mm Soviet M1943 (aka 7.62 x 39 mm, 7.62-mm Kalashnikov, and 7.62-mm obr 43g)
					4 7.62-mm Mosin-Nagant (aka 7.62 x 54R, 7.62-mm Soviet Rimmed, and 7.62-mm obr 1891)
				3 9 mm	
					1 9-mm Makarov (aka 9 x 18 mm Soviet, 9-mm Stechkin, and 9-mm Type 59)
				4 12.7 mm	
					1 12.7-mm Soviet machine gun (aka 12.7 x 107 mm)
					1 API B32
				5 14.5 mm	
					1 14.5-mm Soviet machine gun (aka 14.5 x 114 mm)
					1 API B-32
				6 57 mm	
				7 82 mm	
					1 HE fragmentation (O-881A)

8 107-mm M-38 mortar

9 AO-1 SCH bomblet HE submunition

10 AO-2.5 bomblet

11 AO-2.5 HE submunition

12 AO-2.5-2 HE submunition

13 AO-8M2 HE

14 AO-10 HE

15 AO-10-6.5 HE

16 AO-20 HE

17 AO-20M3 HE

18 AO-25M1 HE

19 AO-25M2 HE

20 AO-100 HE

21 FAB-50 HE

22 FAB-70 HE

23 FAB-100 M43 HE

24 FAB-100 M62 HE

25 FAB-250 HE

26 FAB-250 M43 HE

27 FAB-250 M46 HE

28 FAB-250 M54 HE

29 FAB-250 M62 HE

30 FAB-500 HE

31 FAB-500 M46 HE

32 FAB-500 M54 HE

33 FAB-500 M62 HE

34 FAB-1000 M62 HE

35 FAB-1500 M46 HE

36 FAB-1500 M54 HE

37 FAB-3000 M46 HE

38 KhAB 100-kg (80) mustard gas/lewisite HL

39 KhAB 100-kg (100) mustard gas/lewisite HL

40 KhAB 250-kg Sarin (GB)

41 M-1 bomblet (35-40 g of liquid explosive)

42 Mustard gas/lewisite HL (from 500- and 1500-kg spray tanks)

43 OFAB-100M HE

44 OFAB-100MH HE

45 OFAB-100NV HE

46 OFAB-250M HE

47 OKT-11 bomblet (inciendary or chemical)

48 ROSAB bomblet HE

49 Soman (GD) (from 250-kg spray tank)

50 ZAB-1E incendiary (1.5 kg)

51 ZAB 500 T Shch incendiary (500 kg)

3 Fixed

1 Wooden TMD-B AT mine
5 TM-46 AT-blast mine
6 TMN-46 AT-blast mine
7 TM-57 AT mine
8 TM-62M AT mine (metal casing)
9 TMK-2 AT shaped-charge mine
10 Area-type POMZ-2 AP-fragmentation mine
12 MON series AP mine (directional) (MON-50/MON-90/MON-100/MON-200)
13 PMN AP-blast mine
15 AMD-500
16 AMD-1000
17 AMG-1
18 BDT mine-clearance charge
19 ITB-2 mine-clearance charge
20 KMD-500
21 KMD-1000
22 M-08
23 M-12
24 M-16
25 M-AG
26 M-KB
27 M-KB-3
28 Mirab
29 MYaM
30 MYaRM
31 MZ-26
32 OZM bounding AP mine
33 OZM-3 bounding AP mine
34 OZM-4 bounding AP mine
35 OZM-72 bounding AP mine
36 OZM-160 bounding AP mine
37 PFM-1 or PMZ AP mine/bomblet
38 PGMDM scatterable Anti-tank mine
39 PLT
40 PLT-3
41 PMD-6 wooden AP mine
42 PMD-6M wooden AP mine
43 PMD-7 wooden AP mine
44 PMD-7ts wooden AP mine
45 PMD-57 wooden AP mine
46 PMN AP mine

47 PMN-2 AP mine
48 PMN-6
49 POMZ-2 AP stake mine
50 POMZ-2M AP stake mine
51 SPZ-2 mine-clearance charge
52 SPZ-4 mine-clearance charge
53 TM-62 AT mine P2 (plastic casing)
54 TM-62B waterproof cardboard casing
55 TM-62D rectangular wooden case
56 TM-62 P3 plastic casing
57 TMD-B Anti-tank mine
58 TMD-44 Anti-tank mine
59 UEP
60 UZ-1 Bangalore torpedo
61 UZ-2 Bangalore torpedo

4.2.3.2.2.9 Battlefield support

Kind	Domain	Country	Cat	Scat	Specific
2	9	222			
			1	Guided	
				1	AS-3 Kangaroo
				2	AS-4 Kitchen
				4	AS-7 Kerry
				5	AS-10 Karen
					1 AS-10 (radio)
					2 AS-10 (laser)
				7	AS-14 Kedge
				8	AS-15 Kent
					1 AS-15A (Tu-95 Bear-H)
					2 AS-15B (Tu-160 Blackjack)
				9	AS-16 Kickback
				14	SS-23 Spider
				15	KAB-500N laser-guided HE
				16	KAB-500T TV-guided HE
			2	Ballistic	
				1	12.7 mm
				2	14.5 mm
				3	23 mm
				4	25 mm
					1 25 mm Soviet 2-M3
					2 25 mm Soviet 2-M8
				5	30 mm
				6	37 mm

7 40-mm rocket

8 45 mm

9 57 mm

10 82 mm (mortar)
  1 82-mm model 0-832 DU HE fragmentation bomb

11 100 mm

12 107 mm

13 120 mm (mortar)
  1 HE bomb F-843
  2 HE bomb OF-843
  3 HE bomb OF-843A

14 122 mm

15 122-mm rocket
  1 M-21-OF (9M22M)
  2 M-21-OF (9M22U)

16 125 mm

17 130 mm

18 139.7-mm rocket
  1 M-14-OF

19 152 mm

20 160 mm (mortar)
  1 HE BOMB F-853U
  2 HE BOMB F-853A
  3 HE Bomb F-852

21 180 mm

22 203-mm Howitzer

23 220-mm rocket

24 240 mm (mortar)
    1 F-864 HE bomb

25 240-mm rocket

26 250-mm rocket

27 400-mm rocket

28 550-mm rocket

29 600-mm rocket

30 850-mm missile

31 1100-mm missile

32 250 SHN HE (parachute-retarded)

33 500 SH HE (parachute-retarded)

34 BETAB-150DS HE concrete-piercing

35 OF-841A HE fragmentation bomb

4.2.3.2.2.10 Strategic

Kind	Domain	Country	Cat	Scat	Specific
2	10	222			
			1	Guided	
				1	SS-N-5 Sark
				2	SS-N-6 Serb
					1 SS-N-6
					2 SS-N-6 Mod 1
					3 SS-N-6 Mod 2
				3	SS-N-8
				4	SS-N-17 Snipe
				5	SS-N-18 Stingray
				6	SS-N-20 Sturgeon
				7	SS-N-23 Skiff
				8	SS-N-21 Sampson
				11	AS-15 Kent
					1 AS-15A (Tu-95 Bear-H)
					2 AS-15B (Tu-160 Blackjack)
				14	SS-11
				15	SS-13
				16	SS-16 Sinner
				17	SS-17
				18	SS-18
				19	SS-19
				20	SS-20 Saber
				21	SS-24

22 SS-25

4.2.3.2.3 United Kingdom munitions

All U.K. munitions have a Kind-field value of 2 and a Country-field value of 224.

4.2.3.2.3.1 Anti-air

Kind	Domain	Country	Cat	Scat	Specific
2	1	224			
			1	Guided	
				1 Bloodhound Mk2	
				2 Rapier	
				3 Rapier 2000	
				4 Seacat/Tigercat	
				5 Blowpipe	
				6 Javelin	
				7 Star Streak	
				8 Sea Dart	
					1 GWS 30
				9 Sea Wolf	
					1 GWS 25
					2 GWS 26 Mod 1
				10 Sky Flash	

4.2.3.2.3.2 Anti-armor

Kind	Domain	Country	Cat	Scat	Specific
2	2	224			
			1	Guided	
					1 Milan missile
					2 Swingfire missile
					3 Merlin
					4 FI TOW
					5 Trigat
					6 LAW 80
					7 SWAARM
					8 Wolverine

4.2.3.2.3.3 Anti-guided-weapon

Kind	Domain	Country	Cat	Scat	Specific
2	3	224			
			1	Guided	
				1 Decoys	
					1 Towed radar decoy

4.2.3.2.3.4 Antiradar

Kind	Domain	Country	Cat	Scat	Specific
2	4	224			
			1	Guided	
				1 ALARM	

4.2.3.2.3.5 Antiship

Kind	Domain	Country	Cat	Scat	Specific
2	6	224			
			1	Guided	
				1 Vosper Thorny Croft Excalibur Coast Defense Missile System	
				2 Sea Eagle	
				3 Sea Eagle SL	
				4 Sea Skua	
				5 Martel	
				6 Spear Fish torpedo	

4.2.3.2.3.6 Antisubmarine

Kind	Domain	Country	Cat	Scat	Specific
2	6	224			
			1 Guided		
				1 Tigerfish torpedo	
				2 Spear Fish torpedo	
				3 Sting Ray torpedo	
				4 Mk 24 torpedo	

4.2.3.2.3.7 Antipersonnel

Kind	Domain	Country	Cat	Scat	Specific
2	8	224			
			2 Ballistic		
				1 7.62 mm	
				2 9.0 mm	

4.2.3.2.3.8 Battlefield support

Kind	Domain	Country	Cat	Scat	Specific
2	9	224			
			1 Guided		
				1 Lance	
			2 Ballistic		
				1 51 mm	
				2 89 mm	
				3 105 mm	
				4 155 mm	
				5 175 mm	

4.2.3.2.3.9 Strategic

Kind	Domain	Country	Cat	Scat	Specific
2	10	224			
			1 Guided		
				1 A-3TK Polaris	
				2 Trident II	

4.2.3.2.4 French munitions

All French munitions have a Kind-field value of 2 and a Country-field value of 71.

4.2.3.2.4.1 Anti-air

Kind	Domain	Country	Cat	Scat	Specific
2	1	71			
			1 Guided		
				1 Aster 15	
				2 Aster 30	
				3 Crotale	
				4 Roland	
				5 Mistral	
				6 Masurca	
				7 Mica Missile	
					1 Radar
					2 IR
				8 R530 Sidewinder	
				9 R-550 Magic	
					1 R-550 Magic 1
					2 R-550 Magic 2
				10 Super 530	
					1 Super 530F
					2 Super 530D
			2 Ballistic		
				1 20 mm	
				2 25 mm	
				3 30 mm	
				9 90	
				30 .50 Cal.	

4.2.3.2.4.2 Anti-armor

Kind	Domain	Country	Cat	Scat	Specific
2	2	71			
			1	Guided	
				1	SS-11/AS-11
				2	Eryx missile
				3	HOT missile
				4	Milan missile
				5	ACL-STRIM
				6	Entac
				7	AS-15
					1 AS-15 TT
				8	BAT 120 anti-armor bomb
			2	Ballistic	
				1	.50 cal.
				2	8 in.
				3	20 mm
				4	25 mm
				5	30 mm
				6	60 mm
				7	68 mm
				8	74 mm
				9	90 mm
				10	105 mm
				11	106 mm
				12	120 mm
				13	155 mm
				14	175 mm

4.2.3.2.4.3 Anti-guided-weapon

Kind	Domain	Country	Cat	Scat	Specific
2	3	71			
			1	Guided	
				1	Decoys

4.2.3.2.4.4 Antiradar

Kind	Domain	Country	Cat	Scat	Specific
2	4	71			
			1	Guided	
				1 Armat	

4.2.3.2.4.5 Antiship

Kind	Domain	Country	Cat	Scat	Specific
2	6	71			
			1	Guided	
				1 Exocet	
					1 MM-38
					2 AM-39
				2 AS-11	
				3 SS-12M	
				4 AS-15	
				5 AS-30	
				6 AS-37 Martel	
				7 ASMP	
				8 Otomat	
				9 E-14 torpedo	
				10 E-15 torpedo	
				11 F-17 torpedo	
				12 L-5 torpedo	
				13 Z-16 torpedo	
			2	Ballistic	
				1 20 mm	
				2 25 mm	

3 30 mm

4.2.3.2.4.6 Antisubmarine

Kind	Domain	Country	Cat	Scat	Specific
2	7	71			
			1	Guided	
				1 Malafon	
				2 E-14 torpedo	
				3 E-15 torpedo	
				4 F-17 torpedo	
				5 L3 torpedo	
				6 L4 torpedo	
				7 L5 torpedo	
				8 Murene torpedo	

4.2.3.2.4.7 Antipersonnel

Kind	Domain	Country	Cat	Scat	Specific
2	8	71			
			2	Ballistic	
				1 .22 cal. Long Rifle	
				2 .30-06	
				3 .380 cal.	
				4 .38	
				5 .45 cal.	
				6 .50 cal.	
				7 5.56 mm	
				8 6.35 mm	
				9 7.5 mm	
				10 7.62 mm	
				11 7.65 mm	
				12 8 mm	
				13 9 mm	
				14 20 mm	
				15 25 mm	
				16 30 mm	
				17 60 mm	
				18 68 mm	
				19 81 mm	
				20 90 mm	
				21 120 mm	

4.2.3.2.4.8 Battlefield Support

Kind	Domain	Country	Cat	Scat	Specific
2	9	71			
			1	Guided	
				1	Hades missile
				2	Pluton missile
				3	AS 30L (laser guided)
				4	ASMP
				5	Excalibur MP 22 bomb
				6	Matra laser-guided bomb (LGB)
			2	Ballistic	
				1	..50 Cal.
				2	20 mm
				3	25 mm
				4	30 mm
				5	58 mm
				6	74 mm
				7	90 mm
				8	105 mm
				9	106 mm
				10	155 mm
				11	175 mm
				12	8 in.
				50	BAP 100-mm airfield attack bomb
				51	BLG 66 Belouga bomb
				52	BM 400 bomb
			53	CASCAD Mk 1	
				54	CASCAD Mk 2
				55	CH-TABO Pod
				56	Durandal penetration bomb
				57	LU 250 EG-FT bomb
				58	SAMP BL 61 125-kg fragmentation bomb
				59	SAMP BL 70 400-kg fragmentation bomb
				60	SAMP BL 99 450-kg bomb
				61	SAMP BL EU4 1000-kg bomb
				62	T 15 SAMP fragmentation bomb
				63	BL 8 SAMP fragmentation bomb
				64	BL 9 SAMP fragmentation bomb
				65	BL 18 SAMP fragmentation bomb
				66	SAMP GP bomb family
				67	SAMP 81 AF 125-kg bomb
				68	TBA retarded 125-kg close-support bomb

4.2.3.2.4.9 Strategic

Kind	Domain	Country	Cat	Scat	Specific
2	10	71			
			1	Guided	
				1	SSBS Type S-30D/TN-61
				2	SSBS Type S-4(SX)
				3	SLBM M-20
				4	SLBM M-4

4.2.3.2.5 German munitions

All German munitions have a Kind-field value of 2 and a Country-field value of 78.

4.2.3.2.5.1 Anti-air

Kind	Domain	Country	Cat	Scat	Specific
2	1	78			
			1 Guided		
				1 Roland	

4.2.3.2.5.2 Anti-armor

Kind	Domain	Country	Cat	Scat	Specific
2	2	78			
			1 Guided		
				1 Milan missile	
				2 HOT missile	
				3 TOW missile	
				4 Pars 3 missile	
			2 Ballistic		
				1 110-mm rocket	
			3 Fixed		
				1 Anti-tank mine	
					1 MIFF
					2 KB44

4.2.3.2.5.3 Antipersonnel

Kind	Domain	Country	Cat	Scat	Specific
2	8	78			
			2 Ballistic		
				1 5.56 mm	
				2 7.62 mm	
				3 9 mm	
			3 Fixed		
				1 Mine	

4.2.3.2.5.4 Battlefield support

Kind	Domain	Country	Cat	Scat	Specific
2	9	78			
			1	Guided	
				1	Parachute signal rocket, white
			2	Ballistic	
				1	20 mm
				2	35 mm
				3	73 mm
				4	105 mm
				5	120 mm

4.2.3.3 Life Forms

Kind	Domain	Country	Cat	Scat	Specific
3	Life Form				
	0 Other				
	1 Land				
		As required, see **4.2.2.**			
			0 Other		
			1 Dismounted Infantry (with)		
				0 Other	
				1-509 See **4.2.3.3.1- 4.2.3.3.5.**	
					1-100 Number of individuals
					101 Fire Team
					102 Squad
					103 Platoon
					104 Company
					105 Battalion
					106 Regiment
					107 Division
					108 Corps
					109 Army
	2 Air				
		As required, see **4.2.2.**			
			0 Other		
			1 Parachutist (with)		
				1-509 See **4.2.3.3.1- 4.2.3.3.5.**	
					1-100 Number of individuals
					101 Fire Team
					102 Squad
					103 Platoon
					104 Company
					105 Battalion
					106 Regiment
					107 Division
					108 Corps

109 Army

2 A bird

3 Flock of birds

0 Unspecified size
1-100 Number of individuals

3 Surface

As required, see **4.2.2.**

0 Other

1 Swimmer (with)

0 Other

1-509 See **4.2.3.3.1- 4.2.3.3.5.**
1-100 Number of individuals
101 Fire Team
102 Squad
103 Platoon
104 Company
105 Battalion
106 Regiment
107 Division
108 Corps
109 Army

2 Occupied life raft

0 Unused
1-100 Number of individuals
101 Fire Team
102 Squad
103 Platoon
104 Company
105 Battalion
106 Regiment
107 Division
108 Corps
109 Army

4 Subsurface

As required, see **4.2.2.**

0 Other

1 Diver (with)

0 Other

1-509 See **4.2.3.3.1- 4.2.3.3.5.**
1-100 Number of individuals

2 School of Fish

0 Unspecified size

1-100 Number of individuals

3 School of Shrimp

0 Unspecified size

1-100 Number of individuals

4 Whale

5 Space

As required, See **4.2.2.**

0 Other

1 Astronaut (with)

0 Other

1-509 See **4.2.3.3.1- 4.2.3.3.5.**
1-100 Number of individuals

Life Form entity types are defined in **4.2.3.8**. This section defines the weapons that may be carried by these life forms.

4.2.3.3.1 U.S. weapons for Life Forms

Pistols

1 Assault machine pistol, KF-AMP
2 Automatic model 1911A1 .45
3 Combat Master Mark VI .45, Detronics
4 De-cocker KP90DC .45
5 De-cocker KP91DC .40
6 General officer's Model 15 .45
7 Nova 9-mm, LaFrance
8 Personal Defense Weapon MP5K-PDW 9-mm
9 Silenced Colt .45, LaFrance
10 5900-series 9-mm, Smith & Wesson (S&W)
11 M9
12 Model 1911A1, Springfield Armory
13 Model 2000 9-mm
14 P-9 9-mm, Springfield Armory
15 P-12 9-mm
16 P-85 Mark II 9-mm, Ruger

Rifles

17 Advanced Combat Rifle 5.56-mm, AAI
18 Commando assault rifle, Model 733 5.56-mm, Colt
19 Infantry rifle, Mini-14/20 GB 5.56-mm, Ruger
20 Mini-14 5.56-mm, Ruger
21 Mini Thirty 7.62-mm, Ruger
22 Semi-automatic model 82A2 .50, Barrett
23 Sniper Weapon System M24 7.62-mm
24 Sniping rifle M21, Springfield Armory
25 Sniping rifle M40A1 7.62-mm
26 Sniping rifle M600 7.62-mm
27 AR-15 (M16) 5.56-mm
28 M1 .30
29 M14 7.62-mm, NATO
30 M14 (M1A, M1A1-A1), Springfield Armory
31 M14K assault rifle, LaFrance
32 M16A2 assault rifle 5.56-mm, Colt
33 M21 7.62-mm, U.S.
34 M77 Mark II 5.56-mm, Ruger
35 M77V 7.62-mm, Ruger
36 S-16 7.62 x 36-mm, Grendel
37 SAR-8 7.62-mm
38 SAR-4800 7.62-mm

Carbines

39 Assault carbine M16K, LaFrance
40 M1 .30
41 M4 (Model 720) 5.56-mm, Colt
42 M-900 9-mm, Calico

Submachine guns

43 AC-556F 5.56-mm, Ruger
44 M3 .45
45 M11, Cobray
46 M951 9-mm, Calico
47 MP5/10 10-mm
48 9-mm, Colt
49 Ingram

Machine guns

50 Externally powered (EPG) 7.62-mm, Ares
51 GECAL 50
52 General purpose M60 7.62-mm
53 Heavy M2HB-QCB .50, RAMO
54 Light assault M60E3 (Enhanced) 7.62-mm
55 Light M16A2 5.56-mm, Colt
56 Light 5.56-mm, Ares
57 Lightweight M2 .50, RAMO
58 Lightweight assault M60E3 7.62-mm
59 Minigun M134 7.62-mm, General Electric
60 MG system MK19 Mod 3, 40-mm
61 MG system (or kit) M2HB QCB .50, Saco Defense
62 M1919A4 .30-cal, Browning
63 .50-cal, Browning

Grenades and launchers

64 Colored-smoke hand grenade M18
65 Colored-smoke grenades, Federal Laboratories
66 Infrared smoke grenade M76
67 Smoke hand grenade AN-M8 HC
68 Delay fragmentation hand grenade M61
69 Delay fragmentation hand grenade M67
70 Impact fragmentation hand grenade M57
71 Impact fragmentation hand grenade M68
72 Incendiary hand grenade AN-M14 TH3
73 Launcher I-M203 40-mm
74 Launcher M79 40-mm
75 Multiple grenade launcher MM-1 40-mm

Flamethrowers

76 Multi-shot portable flame weapon M202A2 66-mm
77 Portable ABC-M9-7
78 Portable M2A1-7
79 Portable M9E1-7

Missiles

80 Dragon medium anti-armor missile, M47, FGM-77A
81 Javelin AAWS-M
82 Light Antitank Weapon M72 (LAW II)
83 Redeye, FIM-43, General Dynamics
84 Saber dual-purpose missile system
85 Stinger, FIM-92, General Dynamics
86 TOW heavy antitank weapon

Miscellaneous

87 Bear Trap AP device, Pancor
88 Chain Gun automatic weapon EX-34 7.62-mm
89 Close Assault Weapon System (CAWS), AAI
90 CAWS, Olin/Heckler and Koch
91 Crossfire SAM Model 88
92 Dragon and M16
93 Firing port weapon M231, 5.56-mm, Colt
94 Foxhole Digger Explosive Kit (EXFODA)
95 Infantry Support Weapon ASP-30 {RM} 30-mm
96 Jackhammer Mk 3-A2, Pancor
97 Light anti-armor weapon M136 (AT4)
98 M26A2
99 Master Key S
100 Minigun 5.56-mm
101 Multipurpose Individual Munition (MPIM), Marquardt
102 Multipurpose weapon AT8
103 Recoilless rifle M40, M40A2, and M40A4; 106-mm
104 Recoilless rifle M67, 90-mm
105 Revolver, SP 101
106 Revolver, Super Redhawk .44 magnum, Ruger
107 RAW rocket, 140-mm, Brunswick
108 Rifle-launcher Anti-Armor Munition (RAAM), Olin
109 Rocket launcher M-20 3.5-in
110 Rocket launcher, Enhanced M72 "E series" HEAT, 66-mm
111 Selective fire weapon AC-556 5.56-mm, Ruger
112 Selective fire weapon AC-556F 5.56-mm, Ruger
113 Shotgun M870 Mk 1 (U.S. Marine Corps), Remington
114 SMAW Mk 193, 83-mm, McDonnell-Douglas
115 SMAW-D: Disposable SMAW

116 Squad Automatic Weapon (SAW) M249 5.56-mm
117 Tactical Support Weapon 50/12, .50-cal, Peregrine
118 Telescoped Ammunition Revolver Gun (TARG) .50-cal, Ares
119 Ultimate over-under combination, Ciener

4.2.3.3.2 C.I.S. weapons for Life Forms

Pistols
201 Automatic (APS) 9-mm, Stechkin
202 PSM 5.45-mm
203 Self-loading (PM) 9-mm, Makarov
204 TT-33 7.62-mm, Tokarev

Rifles
205 Assault rifle AK and AKM, 7.62-mm
206 Assault rifle AK-74 and AKS-74, 5.45-mm
207 Self-loading rifle (SKS), 7.62-mm, Simonov
208 Sniper rifle SVD 7.62-mm, Dragunov

Submachine guns
209 AKSU-74 5.45-mm
210 PPS-43 7.62-mm
211 PPSh-41 7.62-mm

Machine guns
212 General purpose PK 7.62-mm
213 Heavy DShK-38 and Model 38/46 12.7-mm, Degtyarev
214 Heavy NSV 12.7-mm
215 Light RPD 7.62-mm
216 Light RPK 7.62-mm
217 Light RPK-74 5.45-mm

Grenades and launchers
218 Hand grenade M75
219 Hand grenade RGD-5
220 AP hand grenade F1
221 AT hand grenade RKG-3
222 AT hand grenade RKG-3M
223 AT hand grenade RKG-3T
224 Fragmentation hand grenade RGN
225 Fragmentation hand grenade RGO
226 Smoke hand grenade RDG-1
227 Plamya launcher, 30-mm AGS-17
228 Rifle-mounted launcher, BG-15 40-mm

Flamethrowers

229 LPO-50
230 ROKS-3
231 Cart-mounted TPO-50

Missiles

232 Gimlet SA-16
233 Grail SA-7
234 Gremlin SA-14
235 Sagger AT-3 (MCLOS)
236 Saxhorn AT-7
237 Spigot A/B AT-14
238 SA-18
239 SA-19

Miscellaneous

240 Grad-1P manportable tripod rocket launcher, 122-mm (for Spesnatz and other specialists; aka 9P132)
241 Light anti-armor weapon RPG-18
242 Light antitank weapon RPG-22
243 MG & RPG
244 Portable rocket launcher RPG-16
245 Recoilless gun 73-mm SPG-9
246 VAT rocket launcher RPG-7
247 RPG-18

4.2.3.3.3 U.K. weapons for Life Forms

1 LAW 80
2 Blowpipe
3 Javelin
4 51-mm mortar
5 SLR 7.62-mm rifle
6 Sterling 9-mm submachine gun
7 L7A2 general purpose MG
8 L6 Wombat Recoilless rifle,
9 Carl Gustav 89-mm recoilless rifle
10 SA80 Individual/light support weapon
11 Trigat
12 Milan AT missile

4.2.3.3.4 French weapons for Life Forms

1 ACL-STRIM
2 Mistral missile
3 Milan AT missile
4 LRAC F1 89-mm AT rocket launcher
5 FA-MAS rifle
6 AA-52 machine gun
7 58-mm rifle grenade
8 FR-F1 sniper rifle

4.2.3.3.5 German weapons for Life Forms

1 G3 rifle
2 G11 rifle
3 P1 pistol
4 MG3 machine gun
5 Milan missile
6 MP1 Uzi submachine gun
7 Panzerfaust 3 Light Anti-Tank Weapon
8 DM19 hand grenade
9 DM29 hand grenade

4.2.3.4 Environmental Kind

For environmental entities the Subcategory field indicates the entity's size, with the following enumerated values:

0	Other
20	Very Small
40	Small
60	Medium
80	Large
100	Very Large

Kind	Domain	Country	Cat	Scat	Specific
4	Environmental				
	0 Other				
	1 Land				
		0 Unused			
			0 Other		
	2 Air				
		0 Unused			
			0 Other		
			1 Smoke		
			2 Fog		
			3 Cloud		
			4 Cloud With Rain Falling		
			5 Cloud With Snow Falling		
	3 Surface				
		0 Unused			
			0 Other		
			1 Sea State		
			2 Oil Slick		
			3 Ice		
			4 Debris		
	4 Subsurface				
		0 Unused			

0 Other

1 Sound Velocity Profile

2 Ice Berg

3 Current Profile

4 Biologics

0 Other

1 Bioluminescence

5 Transmissivity profile

5 Space

0 Unused

0 Unused

4.2.3.5 Cultural Feature

For cultural features, the Subcategory field indicates the entity's size, with the following enumerated values:

0	Other
20	Very small
40	Small
60	Medium
80	Large
100	Very large

Kind	Domain	Country	Cat	Scat	Specific
5	Cultural Feature				
	0 Other				
	1 Land				
		0 Unused			
			0 Other		
			1 Bridge, concrete, two-lane		
			2 Bridge, concrete, four-lane		
			3 Bridge, truss, two-lane		
			4 Bridge, truss, four-lane		
			5 Bridge, suspension, two-lane		
			6 Bridge, suspension, four-lane		
			7 Building, one-story		
			8 Building, two-story		
			9 Building, three-story		
			10 Building, four-story		
			11 Tracks, tank		
			15 Crater		
			16 Ditch		
			17 Minefield markers		
			18 Breached lane flags		
			19 Barbed wire		
			20 Dragon's teeth		
	2 Air				
	3 Surface				
		0 Unused			
			0 Other		

1 Oil derrick
2 Buoy
3 Pier

4 Subsurface

0 Unused

0 Other
1 Oil derrick
2 Buoy
3 Sunken ship

5 Space

4.2.3.6 Supply types

Kind	Domain	Country	Cat	Scat	Specific
6 Supply					
	0 Unused				
		0 Unused			
			0 Other		
			1 Fuels		
				0 Other	
				1 Gasoline	
				2 Diesel Fuel	
				3 JP4	
				4 Fuel Oil	
			2 Oils		
			3 Lubricants		
			4 Food		
			5 Spare Parts		
			6 Personnel		
				0 Other	
				1 Dismounted Infantry	

4.2.3.7 Radio types

Kind	Domain	Country	Cat	Scat	Specific
7 Radio					
	TBD				
		TBD			
			TBD		
				TBD	
					TBD

4.3 Entity Appearance

This section specifies the 32-bit enumeration for the Entity Appearance field in the Entity State PDU. This field consists of a general part comprising the lower 16 bits, and a specific part comprising the upper 16 bits.

4.3.1 General

The general part of the Entity Appearance field is defined as follows.

Name	Bits	Purpose
Paint Scheme	0	Describes the paint scheme of an entity 0 - Uniform color 1 - camouflage
Mobility	1	Describes visual effects characteristic of mobility kills (e.g. damaged rotor, thrown track) 0 - No mobility kill 1 - Mobility-disabled appearance
Fire Power	2	Describes visual effects characteristic of fire-power kills (e.g. displaced gun tube) 0 - No fire-power kill 1 - Fire-power-disabled appearance
Damage	3-4	Describes the damaged appearance of an entity 0 - no damage 1 - slight damage 2 - moderate damage 3 - destroyed
Smoke	5-6	Describes status or location of smoke emanating from an entity 0 - not smoking 1 - smoke plume rising from the entity 2 - entity is emitting engine smoke 3 - entity is emitting engine smoke, and smoke plume is also rising from the entity
Trailing effects	7-8	Describes the size of trailing effects from an entity. Trailing effects include dust clouds for land platforms, wakes for surface platforms, rocket flames for guided munitions, contrails and ionization trails for air platforms, etc. 0 - none

		1 - small 2 - medium 3 - large
Hatch	9-11	Describes the state of the hatch 0 - not applicable 1 - hatch is closed 2 - hatch is popped 3 - hatch is popped and a person is visible under hatch 4 - hatch is open 5 - hatch is open and person is visible 6-7 unused
Lights	12-14	Describes the status of lights found on various platforms 0 - none 1 - running lights are on 2 - navigation lights are on 3 - formation lights are on 4-7 unused
Flaming	15	Describes whether flames are rising from an entity 0 - none 1 - flames present

4.3.2 Specific

The upper 16 bits of the Entity Appearance field are defined specifically for each entity kind. The following sections describe the specific bit definitions for all entity kinds. The Entity-Kind field is found in the Entity-Type Record, as defined in IEEE 1278.1-1994, **5.3.10**. Entity-kind values are defined in **4.2** of this document.

4.3.2.1 Platforms

For all platforms, regardless of domain, bits 21-23 are defined as follows:

Name	Bits	Purpose
Frozen Status	21	Describes the frozen status of a platform 0 - Not frozen 1 - Frozen (Frozen entities should not be dead-reckoned.)
Power-plant Status	22	Describes the power-plant status of a platform 0 - Power plant off 1 - Power plant on

State	23	Describes the state of a platform 0 - Active 1 - Deactivated

4.3.2.1.1 Platforms of the Land Domain

The remaining bits of the Entity-Appearance field for land platforms are defined as follows:

Name	Bits	Purpose
Launcher	16	Describes the elevated status of the platform's missile launcher 0 - not raised 1 - raised
Camouflage Type	17-18	Describes the type of camouflage 0 - Desert camouflage 1 - Winter camouflage 2 - Forest camouflage 3 - Unused
Concealed	19	Describes the type of concealment 0 - Not concealed 1 - Entity in a prepared concealed position (with netting, etc.)
	20	Unused
Entity Specific	24-31	Unused

4.3.2.1.2 Platforms of the Air Domain

The remaining bits of the Entity-Appearance field for air platforms are defined as follows:

Name	Bits	Purpose
Afterburner	16	Describes the status of an air platform's afterburner 0 - afterburner not on 1 - afterburner on
	17-20	Unused
Entity Specific	24-31	Unused

4.3.2.1.3 Platforms of the Surface Domain

The remaining bits of the Entity-Appearance field for surface platforms are defined as follows:

Name	Bits	Purpose
	16-20	Unused
Entity Specific	24-31	Unused

4.3.2.1.4 Platforms of the Subsurface Domain

The remaining bits of the Entity-Appearance field for subsurface platforms are defined as follows:

Name	Bits	Purpose
	16-20	Unused
Entity Specific	24-31	Unused

4.3.2.1.5 Platforms of the Space Domain

The remaining bits of the Entity-Appearance field for space platforms are defined as follows:

Name	Bits	Purpose
	16-20	Unused
Entity Specific	24-31	Unused

4.3.2.2 Guided Munitions

The upper 16 bits of the Entity-Appearance field for guided munitions are defined as follows:

Name	Bits	Purpose
Launch flash	16	Describes the presence of a guided munition's launch flash

		0 - no launch flash present 1 - launch flash present
	17-20	Unused
Frozen Status	21	Describes the frozen status of a guided munition 0 - Not frozen 1 - Frozen (Frozen entities should not be dead-reckoned.)
	22	Unused
State	23	Describes the state of a guided munition 0 - Active 1 - Deactivated
Entity Specific	24-31	Unused

4.3.2.3 Life Forms

The upper 16 bits of the Entity-Appearance field for life forms are defined as follows:

Name	Bits	Purpose
Lifeform state	16-19	Describes the state of the life form 0 - 1 - Upright, standing still 2 - Upright, walking 3 - Upright, running 4 - Kneeling 5 - Prone 6 - Crawling 7 - Swimming 8 - Parachuting 9 - Jumping 10-15 Not used
	20	Unused
Frozen Status	21	Describes the frozen status of a life form 0 - Not frozen 1 - Frozen (Frozen entities should not be dead-reckoned.)
	22	Unused

State	23	Describes the state of a life form 0 - Active 1 - Deactivated
Weapon 1	24-25	Describes the position of the life form's primary weapon 0 - No primary weapon present 1 - Primary weapon is stowed 2 - Primary weapon is deployed 3 - Primary weapon is in firing position
Weapon 2	26-27	Describes the position of the life form's secondary weapon 0 - No secondary weapon present 1 - Secondary weapon is stowed 2 - Secondary weapon is deployed 3 - Secondary weapon is in firing position
Entity Specific	28-31	Unused

4.3.2.4 Environmentals

The upper 16 bits of the Entity-Appearance field for environmentals are defined as follows:

Name	Bits	Purpose
Density	16-19	Describes the density of the environmentals 0 clear 1 hazy 2 dense 3 very dense 4 opaque 5-7 unused
	20-23	Unused
Environment Specific	24-31	Unused

4.3.2.5 Cultural Features

The upper 16 bits of the Entity-Appearance field for cultural features are defined as follows:

Name	Bits	Purpose
	16-31	No cultural-feature-specific bits are defined.

4.3.2.6 Supplies

The upper 16 bits of the Entity-Appearance field for supplies are defined as follows:

Name	Bits	Purpose
	16-31	No supplies-specific bits are defined.

4.3.2.7 Radios

The upper 16 bits of the Entity-Appearance field for radios are defined as follows:

Name	Bits	Purpose
	16-31	No radios-specific bits are defined.

4.4 Dead-Reckoning Algorithm

This section specifies the 8-bit enumeration for the Dead-Reckoning-Algorithm field in the Entity State PDU.

Field Value	Dead-Reckoning Algorithm
0	Other
1	Static (Entity does not move.)
2	DRM(F, P, W)
3	DRM(R, P, W)
4	DRM(R, V, W)
5	DRM(F, V, W)
6	DRM(F, P, B)
7	DRM(R, P, B)
8	DRM(R, V, B)
9	DRM(F, V, B)

4.5 Entity Marking

This section specifies the 8-bit enumeration for Character Set, found in the Entity-Marking field in the Entity State PDU.

Field Value	Character set
0	Unused
1	ASCII

4.6 Entity Capabilities record

This section specifies the 32-bit Boolean array of the Entity Capabilities record in the Entity State PDU. Any individual bit set to one indicates that the entity has the corresponding capability.

Bit	Name	Meaning
0	Ammunition Supply	The Entity is able to supply some type of ammunition in response to an appropriate Service Request PDU.
1	Fuel Supply	The Entity is able to supply some type of fuel in response to an appropriate Service Request PDU.
2	Recovery	The Entity is able to provide recovery (e.g. towing) services in response to an appropriate Service Request PDU.
3	Repair	The Entity is able to supply certain repair services in response to an appropriate Service Request PDU.
4-31	TBD	TBD

4.7 Parameter Type

This section specifies the 32-bit enumeration for the Parameter-Type field in the Articulation-Parameter record of the Entity State and Detonation PDUs.

4.7.1 Attached parts

Following are the enumeration values for attached-parts stations. These values are used when the Parameter Type Designator is equal to one, signifying an attached part.

Field Value	Definition
0	Nothing, Empty
1-511	Sequential IDs for model-specific stations
512-639	Fuselage Stations
640-767	Left-wing Stations
768-895	Right-wing Stations
896-1023	Other attached parts

4.7.2 Articulated parts

Following are the enumeration values for articulated-parts parameters. These values are used when the Parameter Type Designator is equal to zero, signifying an articulated part.

Field Value	Parameter
x + 1	Position
x + 2	Position Rate
x + 3	Extension
x + 4	Extension Rate
x + 5	X
x + 6	X-rate
x + 7	Y
x + 8	Y-rate
x + 9	Z
x + 10	Z-rate
x + 11	Azimuth
x + 12	Azimuth rate
x + 13	Elevation
x + 14	Elevation Rate
x + 15	Rotation
x + 16	Rotation Rate

For these field values, x is the index of the particular articulated part shown below.

Index	Articulated Part
1024	rudder
1056	left flap
1088	right flap
1120	left aileron
1152	right aileron
1184	other Aircraft Control Surfaces defined as needed
2048	periscope
2080	generic antenna
2112	snorkel
2144	other extendable parts defined as needed
3072	landing gear
3104	tail hook
3136	speed brake
3168	left weapon bay door
3200	right weapon bay doors
3232	tank or APC hatch
3264	wingsweep
3296	other fixed position parts defined as needed
4096	Primary turret number 1
4128	Primary turret number 2
4160	Primary turret number 3
4200	Primary turret number 4
4224	Primary turret number 5
4256	Primary turret number 6
4288	Primary turret number 7
4320	Primary turret number 8
4352	Primary turret number 9
4384	Primary turret number 10
4416	Primary gun number 1
4448	Primary gun number 2
4480	Primary gun number 3
4512	Primary gun number 4
4544	Primary gun number 5
4576	Primary gun number 6
4608	Primary gun number 7
4640	Primary gun number 8
4672	Primary gun number 9
4704	Primary gun number 10

4736	Primary launcher 1
4768	Primary launcher 2
4800	Primary launcher 3
4832	Primary launcher 4
4864	Primary launcher 5
4896	Primary launcher 6
4928	Primary launcher 7
4960	Primary launcher 8
4992	Primary launcher 9
5024	Primary launcher 10
5056	Primary defense systems 1[1]
5088	Primary defense systems 2
5120	Primary defense systems 3
5152	Primary defense systems 4
5184	Primary defense systems 5
5216	Primary defense systems 6
5348	Primary defense systems 7
5280	Primary defense systems 8
5312	Primary defense systems 9
5344	Primary defense systems 10
5376	Primary radar 1[2]
5408	Primary radar 2
5440	Primary radar 3
5472	Primary radar 4
5504	Primary radar 5
5536	Primary radar 6
5568	Primary radar 7
5600	Primary radar 8
5632	Primary radar 9
5664	Primary radar 10
5696	Secondary turret number 1
5728	Secondary turret number 2
5760	Secondary turret number 3
5792	Secondary turret number 4
5824	Secondary turret number 5
5856	Secondary turret number 6
5888	Secondary turret number 7

1 Point defense systems like Phalanx guns, or visible chaff, flare, or smoke dispensers.

2 Any radar dish or movable antenna or sensor.

5920	Secondary turret number 8
5952	Secondary turret number 9
5984	Secondary turret number 10
6016	Secondary gun number 1
6048	Secondary gun number 2
6080	Secondary gun number 3
6112	Secondary gun number 4
6144	Secondary gun number 5
6176	Secondary gun number 6
6208	Secondary gun number 7
6340	Secondary gun number 8
6272	Secondary gun number 9
6304	Secondary gun number 10
6336	Secondary launcher 1
6368	Secondary launcher 2
6400	Secondary launcher 3
6432	Secondary launcher 4
6464	Secondary launcher 5
6496	Secondary launcher 6
6528	Secondary launcher 7
6560	Secondary launcher 8
6592	Secondary launcher 9
6624	Secondary launcher 10
6656	Secondary defense systems 1
6688	Secondary defense systems 2
6720	Secondary defense systems 3
6752	Secondary defense systems 4
6784	Secondary defense systems 5
6816	Secondary defense systems 6
6848	Secondary defense systems 7
6880	Secondary defense systems 8
6912	Secondary defense systems 9
6944	Secondary defense systems 10
6976	Secondary radar 1
7008	Secondary radar 2
7040	Secondary radar 3
7072	Secondary radar 4
7104	Secondary radar 5
7136	Secondary radar 6
7168	Secondary radar 7
7200	Secondary radar 8
7232	Secondary radar 9

7264 Secondary radar 10

4.7.2.1 Example #1

To represent the articulation of a tank gun, azimuth of the turret is required as well as the elevation of the gun. This represents two articulated parts. The turret is attached to the tank. It has ID - Part Attached to = 0 because it is attached directly to the tank. We wish to dead reckon the position of the turret, so we require two articulation parameters for the turret: the azimuth and the azimuth rate. Azimuth will be articulation parameter #1 and azimuth rate will be articulation parameter #2. The gun is attached to the turret. It has ID - Part Attached to = 1 because it is attached to the turret. The gun has one articulation parameter, namely the elevation of the gun. Elevation will be articulation parameter #3.

For the turret, parameter #1 is the azimuth. The value to represent this is 4107: 4096 (primary turret) + 11 (azimuth of that turret). Parameter #2 is the azimuth rate. The value to represent this is 4108: 4096 + 12 (azimuth rate). For the gun, parameter #1 is elevation. The value to represent this is 4429: 4416 (primary gun) + 13 (elevation).

Suppose the turret is slewed but the elevation is unchanged. Then the three Articulation Parameter records would be:

Change indicator:	(value increment to indicate a change)
ID - Part Attached to:	0 (tank)
Parameter #1 type:	4107
Parameter value:	(an angle in radian)
Change indicator:	(value increment to indicate a change)
ID - Part Attached to:	0 (tank)
Parameter #2 type:	4108
Parameter value:	(rate in radian/sec)
Change indicator:	(value unchanged to indicate no change)
ID - Part Attached to:	1 (turret)
Parameter #1 type:	4213
Parameter value:	(zero)

4.7.2.2 Example #2

To represent an air-to-surface missile on an aircraft it is necessary to specify the station to which the missile is attached and the type of missile. For example, for a missile on the first left-wing station, the parameter type would be 0640. (The Parameter-Value field would indicate the type of munition attached to that station.) The Articulation Parameter record would then appear as:

Change indicator:	(value unchanged to indicate no change)
ID - Part Attached to:	0 (aircraft)
Parameter #1 type:	0640
Parameter value:	(type of missile from 64-bit munition type)

If the missile was fired, the next Entity State PDU would have an Articulation Parameter record with the following information on the launched missile:

Change indicator:	(value increment to indicate a change)
ID - Part Attached to:	0 (aircraft)
Parameter #1 type:	0640
Parameter value:	(type of missile from 64-bit munition type)

The change indicator specifies that the munition that was present is no longer present.

5.0 Warfare family

5.1 Burst Descriptor record

This section specifies the 16-bit enumerations for the Fuse (also called Detonator) and Warhead fields in the Burst Descriptor Record of the Fire and Detonation PDUs.

5.1.1 Warhead

Values for this field are:

Field Value	Warhead
0000	Other
0010	Cargo (Variable Submunitions)
0020	Fuel/Air Explosive
1000	High Explosive (HE)
1100	HE, Plastic
1200	HE, Incendiary
1300	HE, Fragmentation
1400	HE, Antitank
1500	HE, Bomblets
1600	HE, Shaped Charge
1610	HE, Continuous Rod
1615	HE, Tungsten Ball
1620	HE, Blast Fragmentation
1625	HE, Steerable Darts with HE
1630	HE, Darts
1635	HE, Flechettes
1640	HE, Directed Fragmentation
1645	HE, Semi-Armor Piercing (SAP)
1650	HE, Shaped Charge Fragmentation
1655	HE, Semi-Armor Piercing, Fragmentation
1660	HE, Hollow Charge
1665	HE, Double Hollow Charge
1670	HE, General Purpose
1675	HE, Blast Penetrator
1680	HE, Rod Penetrator
1685	HE, Antipersonnel
2000	Smoke
3000	Illumination

4000	Practice
5000	Kinetic
6000	Mines
7000	Nuclear
7010	Nuclear, IMT
8000	Chemical, General
8100	Chemical, Blister Agent
8200	Chemical, Blood Agent
8300	Chemical, Nerve Agent
9000	Biological

5.1.2 Fuse (detonator)

Values for this field are:

Field Value	Type
0000	Other
0010	Intelligent Influence
0020	Sensor
0030	Self-destruct
0040	Ultra Quick
0050	Body
0060	Deep Intrusion
0100	Multifunction
0200	Point Detonation (PD)
0300	Base Detonation (BD)
1000	Contact
1100	Contact, Instant (Impact)
1200	Contact, Delayed
1300	Contact, Electronic (Oblique Contact)
1400	Contact, Graze
1500	Contact, Crush
1600	Contact, Hydrostatic
1700	Contact, Mechanical
1800	Contact, Chemical
1900	Contact, Piezoelectric
1910	Contact, Point Initiating

1920	Contact, Point Initiating, Base Detonating
1930	Contact, Base Detonating
1940	Contact, Ballistic Cap and Base
1950	Contact, Base
1960	Contact, Nose
1970	Contact, Fitted in Standoff Probe
1980	Contact, Non-aligned
2000	Timed
2100	Timed, Programmable
2200	Timed, Burnout
2300	Timed, Pyrotechnic
2400	Timed, Electronic
2500	Timed, Base Delay
2600	Timed, Reinforced Nose Impact Delay
2700	Timed, Short Delay Impact
2800	Timed, Nose Mounted Variable Delay
2900	Timed, Long Delay Side
2910	Timed, Selectable Delay
2920	Timed, Impact
2930	Timed, Sequence
3000	Proximity
3100	Proximity, Active Laser
3200	Proximity, Magnetic (Magpolarity)
3300	Proximity, Active Radar (Doppler Radar)
3400	Proximity, Radio Frequency (RF)
3500	Proximity, Programmable
3600	Proximity, Programmable, Prefragmented
3700	Proximity, Infrared
4000	Command
4100	Command, Electronic, Remotely Set
5000	Altitude
5100	Altitude, Radio Altimeter
5200	Altitude, Air Burst
6000	Depth
7000	Acoustic
8000	Pressure
8010	Pressure, Delay
8100	Inert

8110	Dummy
8120	Practice
8130	Plug Representing
8150	Training
9000	Pyrotechnic
9010	Pyrotechnic, Delay
9100	Electro-optical
9110	Electromechanical
9120	Electromechanical, Nose
9200	Strikerless
9210	Strikerless, Nose Impact
9220	Strikerless, Compression-Ignition
9300	Compression-Ignition
9310	Compression-Ignition, Strikerless, Nose Impact
9400	Percussion
9410	Percussion, Instantaneous
9500	Electronic
9510	Electronic, Internally Mounted
9520	Electronic, Range Setting
9530	Electronic, Programmed
9600	Mechanical
9610	Mechanical, Nose
9620	Mechanical, Tail

5.2 Detonation PDU

This section specifies the 8-bit enumeration for the Detonation-Result field in the Detonation PDU.

Field Value	Detonation Result
0	Other
1	Entity Impact
2	Entity Proximate Detonation
3	Ground Impact
4	Ground Proximate Detonation
5	Detonation
6	None
7	HE hit, small
8	HE hit, medium
9	HE hit, large
10	Armor-piercing hit
11	Dirt blast, small
12	Dirt blast, medium

13 Dirt blast, large
14 Water blast, small
15 Water blast, medium
16 Water blast, large
17 Air hit
18 Building hit, small
19 Building hit, medium
20 Building hit, large
21 Mine-clearing line charge

6.0 Logistics family

6.1 Service Request PDU

This section specifies the 8-bit enumeration for the Service-Type-Requested field in the Service-Request PDU.

Field Value	Service Type
0	Other
1	Resupply
2	Repair

6.2 Repair Complete PDU

This section specifies the 16-bit enumeration for the Repair field in the Repair Complete PDU.

6.2.1 General repair codes

These codes apply to all entities that may have requested repair:

Field Value	Meaning
0	no repairs performed
1	all requested repairs performed

6.2.2 Drive train

Field Value	System Repaired
10	motor
20	starter
30	alternator
40	generator
50	battery
60	engine-coolant leak
70	fuel filter
80	transmission-oil leak
90	engine-oil leak
100	pumps
110	filters
120	transmission
130	brakes
140-999	TBD

6.2.3 Hull/Airframe/Body

Field Value	System Repaired
1000	hull
1010	airframe
1020	truck body
1030	tank body
1040	trailer body
1050-1499	TBD

6.2.4 Interfaces with environment

Field Value	System to Repair
1500	propeller
1520	filters
1540	wheels
1550	tire
1560	track
1570-1999	TBD

6.2.5 Weapons

Field Value	System Repaired
2000	gun elevation drive
2010	gun stabilization system
2020	gunner's primary sight (GPS)
2030	commander's extension to the GPS
2040	loading mechanism
2050	gunner's auxiliary sight
2060	gunner's control panel
2070	gunner's control assembly handle(s)
2080	laser range finder
2090	commander's control handles/assembly
2100	commander's weapon station
2110	commander's independent thermal viewer (CITV)
2120-3999	TBD

6.2.6 Fuel systems

Field Value	System Repaired
4000	fuel transfer pump
4010	fuel lines
4020	gauges

4030-4499	TBD

6.2.7 Electronics

Field Value	System Repaired
4500	electronic warfare systems
4600	detection systems
4610	radio frequency
4620	microwave
4630	infrared
4640	laser
4700	range finders
4710	range-only radar
4720	laser range finder
4800	electronic systems
4810	radio frequency
4820	microwave
4830	infrared
4840	laser
5000	radios
5100	intercoms
5200	encoders
5250	encryption devices
5300	decoders
5350	decryption devices
5500	computers
6000	navigation and control systems
6500	fire control systems
6501-7999	TBD

6.2.8 Life support systems

Field Value	System Repaired
8000	air supply
8010	filters
8020	water supply
8030	refrigeration system
8040	chemical, biological, and radiologic protection
8050	water wash down systems
8060	decontamination systems
8070-8999	TBD

6.2.9 Hydraulic systems and actuators

Field Value	System Repaired

9000	water supply
9010	cooling system
9020	winches
9030	catapults
9040	cranes
9050	launchers
9060-9999	TBD

6.2.10 Auxiliary craft

Field Value	System Repaired
10000	life boats
10010	landing craft
10020	ejection seats
10030-10499	other auxiliary craft to be defined

6.3 Repair Response PDU

This section specifies the 8-bit enumeration for the Repair-Result field in the Repair-Response PDU.

Field Value	Result of Repair
0	other
1	repair ended
2	invalid repair
3	repair interrupted
4	service canceled by the supplier

7.0 Simulation Management family

7.1 Datum Specification record

This section specifies the 32-bit enumerations for Datum ID in the Datum Specification Record, as found in the Action-Request, Action-Response, Data-Query, Set-Data, Data, Event-Report, and Message PDUs. Also shown for each datum are its type, length, units, and an abbreviated description.

ID	Name	Type	Length (bits)	Units	Description
10000	Identification				
11000	Entity Type				
11100	Concatenated				
11110	Kind	Unsigned Integer	8		
11120	Domain	Unsigned Integer	8		
11130	Country	Unsigned Integer	16		
11140	Category	Unsigned Integer	8		
11150	Subcategory	Unsigned Integer	8		
11160	Specific	Unsigned Integer	8		
11170	Extra	Unsigned Integer	8		
11200	Force ID	Unsigned Integer	8		
11300	Description				
12000	Alternative Entity Type				
12110	Kind	Unsigned Integer	8		
12120	Domain	Unsigned Integer	8		
12130	Country	Unsigned Integer	16		
12140	Category	Unsigned Integer	8		
12150	Subcategory	Unsigned Integer	8		
12160	Specific	Unsigned Integer	8		
12170	Extra	Unsigned Integer	8		
12300	Description				
13000	Entity Marking				
13100	Entity Marking Characters	String	80		
13200	Crew ID	String	80		
14000	Task Organization				
14200	Regiment Name	String			
14300	Battalion Name	String			
14400	Company Name	String			
14500	Platoon Name				
14520	Squad Name				
14540	Team Name				
14600	Bumper Number				
14700	Vehicle Number				

ID	Name	Type	Length	Units	Description
14800	Unit Number				
15000	DIS Identity				
15100	DIS Site ID				
15200	DIS Host ID				
15300	DIS Entity ID				
20000	Loads				
21000	Crew Members				
21100	Crew Member ID				
21200	Health				
21300	Job Assignment	String			
23000	Fuel				
23100	Quantity			Liters	
23105	Quantity			Gallons	
24000	Ammunition				
24001	120-mm HEAT, quantity			Rounds	
24002	120-mm SABOT, quantity			Rounds	
24003	12.7-mm M8, quantity			Rounds	
24004	12.7-mm M20, quantity			Rounds	
24005	7.62-mm M62, quantity			Rounds	
24006	M250 UKL8A1, quantity			Grenades	
24007	M250 UKL8A3, quantity			Grenades	
24008	7.62-mm M80, quantity			Rounds	
24009	12.7-mm, quantity			Rounds	
24010	7.62-mm, quantity			Rounds	
24060	Mines, quantity			Mines	
24100	Type				
24110	Kind				
24120	Domain				
24130	Country				
24140	Category				
24150	Subcategory				
24160	Extra				
24300	Description				
25000	Cargo				
26000	Vehicle Mass	Unsigned Integer	32	Kilograms	

ID	Name	Type	Length	Units	Description
27000	Supply Quantity				
28000	Armament	Boolean			
30000	Status				
31000	Position				
31100	MilGrid10				
31200	Geocentric Coordinates				
31210	X	Unsigned Integer	32	Meters	
31220	Y	Unsigned Integer	32	Meters	
31230	Z	Unsigned Integer	32	Meters	
31300	Latitude				
31400	Longitude				
32000	Orientation				
32100	Hull Heading Angle			Degrees	
32200	Hull Pitch Angle				
32300	Roll Angle				
32500	X	Unsigned Integer	32	Degrees	
32600	Y	Unsigned Integer	32	Degrees	
32700	Z	Unsigned Integer	32	Degrees	
33000	Appearance				
33100	Ambient Lighting				
33101	Lights				
33200	Paint Scheme				
33300	Smoke				
33400	Trailing Effects				
33500	Flaming				
33600	Marking				
33710	Mine Plows Attached				
33720	Mine Rollers Attached				
33730	Tank Turret Azimuth			Degrees	Rel 2 lon
34000	Failures and Malfunctions				
34100	Age			Miles	
34110				Kilometers	
35000	Damage				
35050	Cause				
35100	Mobility Kill				

ID	Name	Type	Length	Units	Description
35200	Fire-Power Kill				
35300	Personnel Casualties				
36000	Velocity				
36100	X-velocity			Meters/second	
36200	Y-velocity			Meters/second	
36300	Z-velocity			Meters/second	
37000	Acceleration				
37100	X-acceleration				
37200	Y-acceleration				
37300	Z-acceleration				
38100	Engine Status				
40000	Exercise				
41000	Terrain Database				
41001					
42000	Missions				
42100	Mission ID				
42200	Mission Type				
42300	Mission Request Time Stamp				
43000	Exercise Description	String			
43100	Name	String			
43200	Entities	Integer			
43300	Version				
50000	Environment				
51000	Weather				
51100	Thermal Condition				
52000	Time				
52100	Time of Day, Discrete				
52200	Time of Day, Continuous				
52300	Time Mode				
52305	Time Scene				
52310	Current Hour				
52320	Current Minute				
52330	Current Second				
52340	Azimuth???				

ID	Name	Type	Length	Units	Description
52350	Maximum Elevation???				
52360	Time Zone				
52400	Time Sunrise Enabled				
52410	Sunrise Hour				
52420	Sunrise Minute				
52430	Sunrise Second				
52440	Sunrise Azimuth				
52500	Time Sunset Enabled				
52510	Sunset Hour				
52511	Sunset Hour				
52520	Sunset Minute				
52530	Sunset Second				
52531					
52600	Date				
52610	Month				
52620	Day				
52630	Year				
53000	Clouds				
53050	Cloud Layer Enable				
53060	Cloud Layer Selection				
53100	Visibility				
53200	Base Altitude			Meters	
53250	Base Altitude			Feet	
53300	Ceiling			Meters	
53350	Ceiling			Feet	
53400	Characteristics				
54000	Precipitation				
54100	Rain	Boolean			
55000	Fog	Boolean			
55100	Visibility			Meters	
55105	Visibility			Miles	
55200	Density				
55300	Base				
55401	View Layer from above???				
55410	Transition Range				
55420	Bottom			Meters	

ID	Name	Type	Length	Units	Description
55425	Bottom			Feet	
55430	Ceiling			Meters	
55435	Ceiling			Feet	
56000	Heavenly Bodies				
56100	Sun				
56110	Position				
56120	Position Azimuth				
56130	Position Elevation				
56140	Position Intensity				
56200	Moon				
56210	Position				
56220	Position Azimuth				
56230	Position Elevation				
56240	Position Intensity				
56310	Horizon				
56320	Horizon Azimuth				
56330	Horizon Elevation				
56340	Horizon Heading				
56350	Horizon Intensity				
57000	Meteorological				
57100	Temperature				
57200	Humidity				
57300	Visibility				
57400	Winds				
57410	Speed				
57500	Rainsoak				
58000	Haze	Boolean			
58100	Visibility			Meters	
58105	Visibility			Miles	
58200	Density				
58430	Ceiling			Meters	
58435	Ceiling			Feet	
60000	Communications				
61100	Channel Type				
61101	Channel Type				
61200	Channel Identification				

ID	Name	Type	Length	Units	Description
61300	Alpha Identification				
61301					
61400	Radio Identification				
61401					
61500	Land Line Identification				
61600	Intercom Identification				
61700	Group Network Channel Number				
62100	Radio Communications Status				
62200	Stationary Radio Transmitters Default Time	Unsigned Integer			
62300	Moving Radio Transmitters Default Time	Unsigned Integer			
62400	Stationary Radio Signals Default Time				
62500	Moving Radio Signal Default Time				
70000	Algorithm Parameters				
71000	Dead Reckoning Algorithm (DRA)				
71100	DRA Location Threshold	Unsigned Integer	32	N/A	
71200	DRA Orientation Threshold				
71300	DRA Time Threshold				
72000	Simulation Management Parameters				
72100	Checkpoint Interval				
72600	Transmitter Time Threshold				
72700	Receiver Time Threshold				
73000	Interoperability Mode				
74000	SIMNET Data Collection	Variable Record		N/A	The variable-datum-value field consists of: 32-bit unsigned integer, Data Collection Type; 32-bit unused; and multiple of 64 bits, SIMNET Data Collection Variant.
75000	Event ID				
75100	Source Site ID				
75200	Source Host ID				
90000	Articulated Parts				
90001					
90050	Part ID				
90070	Index (See **4.7.2**)				

ID	Name	Type	Length	Units	Description
90100	Position				
90200	Position Rate				
90300	Extension				
90400	Extension Rate				
90500	X				
90600	X-rate				
90700	Y				
90800	Y-rate				
90900	Z				
91000	Z-rate				
91100	Azimuth				
91200	Azimuth Rate				
91300	Elevation				
91400	Elevation Rate				
91500	Rotation				
91600	Rotation Rate				
100001	DRA Angular X-Velocity				
100002	DRA Angular Y-Velocity				
100003	DRA Angular Z-Velocity				
100004	Appearance, Trailing Effects				
100005	Appearance, Hatch				
100008	Appearance, Character Set				
100010	Capability, Ammunition Supplier				
100011	Capability, Miscellaneous Supplier				
100012	Capability, Repair Provider				
100014	Articulation Parameter				
100047	Articulation Parameter Type				
100048	Articulation Parameter Value				
100058	Time of Day--Scene				

7.2 Stop/Freeze PDU

7.2.1 Reason

This section specifies the 8-bit enumeration for the Reason field in the Stop/Freeze PDU.

Field Value	Reason to Stop
0	Other
1	Recess
2	Termination
3	System Failure
4	Security Violation
5	Entity Reconstitution

7.2.2 Frozen Behavior

This section specifies the 8-bit Boolean array of the Frozen-Behavior field in the Stop/Freeze PDU. Any individual bit set to one indicates that the simulation application is to continue the corresponding activity in the frozen state; a bit set to zero indicates that the activity is to cease in the frozen state.

Bit	Name	Activity
0	Simulation clock	Run internal simulation clock.
1	Transmit PDUs	Transmit PDUs.
2	Receive PDUs	Update simulation models of other entities via received PDUs.

7.3 Acknowledge PDU

This section specifies the 16-bit enumeration for the Acknowledge-Flag field in the Acknowledge PDU.

Field Value	Acknowledgment Flags
1	Create Entity
2	Remove Entity
3	Start/Resume
4	Stop/Freeze

7.4 Action Request PDU

This section specifies the 32-bit enumeration for the Action-ID field in the Action-Request PDU.

Field Value	Action ID
0	Other
1	Local storage of the requested information
2	Inform SM of event "ran out of ammunition"
3	Inform SM of event "killed in action"
4	Inform SM of event "damage"
5	Inform SM of event "mobility disabled"
6	Inform SM of event "fire disabled"

7.5 Action Response PDU

This section specifies the 32-bit enumeration for the Request-Status field in the Action-Response PDU.

Field Value	Request Status
0	Other
1	Pending
2	Executing
3	Partially Complete
4	Complete

7.6 Event Report PDU

This section specifies the 32-bit enumeration for the Event-Type field in the Event-Report PDU.

Field Value	Event Type
0	Other
1	Ran out of fuel
2	Ran out of ammunition
3	Killed in action
4	Damage

8.0 Distributed Emission Regeneration family

8.1 Electromagnetic Emission PDU

8.1.1 Emitter Name

This section specifies the 16-bit enumeration for the Emitter-Name field in the Emitter-System record of the Electromagnetic Emission PDU.

Field Value	Emitter System
0	Other
1	TBD

8.1.2 Function

This section specifies the 8-bit enumeration for the Function field in the Emitter-System record of the Electromagnetic Emission PDU.

Field Value	Emission Function
0	Other
1	TBD

8.2 Designator PDU

8.2.1 Code Name

This section specifies the 16-bit enumeration for the Code-Name field in the Designator PDU.

Field Value	Designator Code Name
0	Other
1	TBD

8.2.2 Designator Code

This section specifies the 8-bit enumeration for the Designator-Code field in the Designator PDU.

Field Value	Designator Code
0	Other
1	TBD

9.0 Radio Communications family

9.1 Transmitter PDU

9.1.1 Modulation Type record

9.1.1.1 Spread Spectrum

This section specifies the 16-bit Boolean array for the Spread-Spectrum field in the Modulation-Type record of the Transmitter PDU.

All bits set to zero indicates that spread-spectrum modulation is not in use. Individual bits set to one indicate the use of spread spectrum as follows:

Bit #	Spread Spectrum Modulation Type
0	Frequency Hopping
1	Pseudo-noise
2	Time Hopping
3-15	TBD

More than one bit set to one indicates that distinct methods are simultaneously in use.

9.1.1.2 Major Modulation

This section specifies the 16-bit enumeration for the Major-Modulation field in the Modulation-Type record of the Transmitter PDU.

Field Value	Radio Major Modulation
0	Other
1	Amplitude
2	Amplitude and Angle
3	Angle
4	Combination
5	Pulse
6	Unmodulated

9.1.1.3 Detail

9.1.1.3.1 Detailed modulation for amplitude modulation

Detailed modulation types for Amplitude Modulation are defined as follows:

Field Value	Detailed Modulation for Amplitude	
0	Other	
1	AFSK	(Audio Frequency Shift Keying)
2	AM	(Amplitude Modulation)
3	CW	(Continuous Wave Modulation)
4	DSB	(Double Sideband)
5	ISB	(Independent Sideband)
6	LSB	(Single Band Suppressed Carrier, Lower Sideband Mode)
7	SSB-Full	(Single Sideband Full Carrier)
8	SSB-Reduc	(Single Band Reduced Carrier)
9	USB	(Single Band Suppressed Carrier, Upper Sideband Mode)
10	VSB	(Vestigial Sideband)

9.1.1.3.2 Detailed modulation for amplitude and angle modulation

Detailed modulation types for Amplitude and Angle Modulation are defined as follows:

Field Value	Detailed Modulation for Amplitude and Angle
0	Other
1	Amplitude and Angle

9.1.1.3.3 Detailed modulation for angle modulation

Detailed modulation types for Angle Modulation are defined as follows:

Field Value	Detailed Modulation for Angle	
0	Other	
1	FM	(Frequency Modulation)
2	FSK	(Frequency Shift Keying)
3	PM	(Phase Modulation)

9.1.1.3.4 Detailed modulation for combination modulation

Detailed modulation types for Combination Modulation are defined as follows:

Field Value	Detailed Modulation for Combination
0	Other

1	Amplitude-Angle-Pulse

9.1.1.3.5 Detailed modulation for pulse modulation

Detailed modulation types for Pulse Modulation are defined as follows:

Field Value	Detailed Modulation for Pulse
0	Other
1	Pulse

9.1.1.3.6 Detailed modulation for unmodulated modulation

Detailed modulation types for an unmodulated carrier are defined as follows:

Field Value	Detailed Modulation for Unmodulated
0	Other
1	Continuous Wave emission of an unmodulated carrier

9.1.1.4 System

This section specifies the 16-bit enumeration for the System field in the Modulation-Type record of the Transmitter PDU.

Field Value	Radio System
0	Other
1	Generic
2	HQ
3	HQII
4	HQIIA
5	SINCGARS

9.1.2 Transmit State

This section specifies the 8-bit enumeration for the Transmit-State field in the Transmitter PDU.

Field Value	Radio Transmit State
0	Off
1	On but not transmitting
2	On and transmitting

9.1.3 Input Source

This section specifies the 8-bit enumeration for the Input-Source field in the Transmitter PDU.

Field Value	Radio Input Source
0	Other
1	Pilot
2	Copilot
3	First Officer

9.1.4 Crypto System

This section specifies the 16-bit enumeration for the Crypto-System field in the Transmitter PDU.

Field Value	Radio Crypto System
0	Other
1	KY-28
2	KY-58

9.2 Signal PDU

The Encoding-Scheme field of the Signal PDU is broken into two parts. Bits 15 and 14 are the Encoding Class, described in **4.2.27.1**; bits 13-0 are the Encoding Types, described in **4.2.27.2.**

9.2.1 Radio signal encoding class

Encoding Classes (bits 15 and 14) are:

Field Value (bits 15, 14)	Radio Signal Encoding Class
0 (0,0)	Encoded Voice
1 (0,1)	Raw Binary Data
2 (1,0)	Application-Specific Data
3 (1,1)	Pre-Recorded Voice Pointer

9.2.2 Radio signal encoding type

Encoding Types (bits 13-0) are:

Field Value	Radio Signal Encoding Type

1	8-bit mu-law
2	CVSD per MIL-STD-188-113
3	ADPCM per CCITT G.721
4	16-bit linear PCM

9.3 Receiver PDU

This section specifies the 16-bit enumeration for the Receiver-State field in the Receiver PDU.

Field Value	Radio Receiver State
0	Off
1	On but not receiving
2	On and receiving

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