

ATD-2 TTP Operational Metrics Messages

Operational Metric messages are calculated for individual flights and for airport wide counts such as throughput. The calculated metrics are published at regular 15 minute intervals. They will only contain metrics for that specific time period. The metrics will not be cumulative for the system up time or extend past that regular interval. **Heartbeat** messages are sent every 4.5 minutes and contain only header information.

Operational Metric messages published by TTP are JMS Text Messages, containing a standard JMS header augmented with TTP specific information. They include a message body consisting of airport wide metrics (See [Operational Metrics Schema Information](#)) and a flight list containing individual flight metrics formatted in FIXM NasMessages (See [Flight Metrics FIXM Information](#) for details).

Message Specific Header Properties

Property Name	Description
PRIVACY_LEVEL	<p>PRIVACY_LEVEL indicates what is included in the message content from a sensitive data and privacy standpoint to help ensure the message is directed to the appropriate consumer.</p> <ol style="list-style-type: none"> 1) SFD - Sensitive Flight Data - Message contains SFD, that is, information about a sensitive flight. 2) CDM - Collaborative Decision Making - Message pertains to a non-sensitive flight. And, it contains CDM data, that is, it contains data elements that are considered CDM data elements. 3) CDM-omit - Message pertains to a non-sensitive flight. And, the CDM data has been omitted from this version of the message, that is, this is a copy of a message that was originally created with CDM data elements and non-CDM data elements. (If there were no data elements in the original message that were considered "non-CDM" and then all the CDM elements were removed, there would be no reason to publish the message.) 4) NoSFD_NoCDM - Message pertains to a non-sensitive flight. And, it contains no CDM data elements. <p>The current ATD-2 implementation will only be sending CDM privacy level messages.</p>

	This property is only included with flight specific metric messages.
AERODROME	ID of the aerodrome the system applies to (e.g., KCLT)
TFDM_RELEASE	TFDM Release version providing this message (e.g. 12_1_B8_2P2). This property is currently not implemented for ATD-2. Value will be null.
SCHEMA_VERSION	FIXM US Extension Schema Version (e.g. 4.1.1).
TIME_STAMP	Date and time of the message in Zulu time (e.g. "yyyy-mm-ddThh:mm:ssZ")
UUID	Universally unique identifier for the message. This should not be used by the consumer and is only intended for TFDM debug purposes.

Flight Metrics FIXM Information

This table includes which FIXM fields may be included in individual flight metrics in the flight list contained in the Operational Metrics Messages.

The **Ext** column indicates whether this field is in core, denoted by a 'C' in the cell, or US extension, denoted by 'US' in the cell.

The **FM Data** column below indicates that the field is included for the purposes of flight matching.

The **OperationalMetricsType List** column below indicates which list of FlightData in the Operational Metrics schema (see [Operational Metrics Schema Information](#)) will contain this data.

Data Element	Xpath In FIXM	Ext	FM Data	Details	Operational MetricsType List
AircraftIdentification	NasMessage/flight/flightIdentification/@aircraftIdentification	C	✓		All

DeparturePoint	NasMessage/flight/departure/ @departurePointText	C	✓	Can be an airport, nas lat/long, fix, or a fix radial distance. Examples: Airport: KDFW Nas Lat/Long: 3500N/04000 W Fix: ATOKA Fix Radial Distance:SHP 090015	All
DestinationPoint	NasMessage/flight/destination/ @destinationPointText	C	✓	Can be an airport, nas lat/long, fix, or a fix radial distance. Examples: Airport: KDFW Nas Lat/Long: 3500N/04000 W Fix: ATOKA Fix Radial Distance:SHP 090015.	All
InitialGateTimeOf Departure	NasMessage/flight/departure/o ffBlockTime/@initial	US	✓		All
EramGufi	NasMessage/flight/flightPlan/ @identifier	US	✓		All
ComputerId	NasMessage/flight/flightIdenti fication/@computerId	US	✓		All
CidCreatorUnit	NasMessage/flight/flightIdenti fication/IdCreatorUnit	US	✓		All

TfdmId	NasMessage/flight/additionalFlightInformation	US	✓	Name="TFDMID"; Value=Internal TFDM ID or ATD-2 GUFID for the flight.	All
TfdmIdCreatorAirport	NasMessage/flight/additionalFlightInformation	US	✓	Name="TFDMIDCreator"; Value=the airport where the TFDM ID was created. Example: KCLT	All
DataQualityPoints	NasMessage/flight/@dataQualityPoints	US			FlightDataQuality
FlightInitializationLeadTimePoints	NasMessage/flight/departure/@flightInitializationLeadTimePoints	US			FlightDataQuality
DataComprehensivenessPoints	NasMessage/flight/@dataComprehensivenessPoints	US			FlightDataQuality
OffBlockTimeAccuracy	NasMessage/flight/departure/@offBlockTimeAccuracyPoints	US			FlightDataQuality
TimelyProvisionOfActualOffBlockTimeCompliancePoints	NasMessage/flight/departure/@timelyProvisionOfActualOffBlockTimeCompliancePoints	US			FlightDataQuality
OutboundRampTaxiTimeDuration	NasMessage/flight/departure/taxiOperationMetrics/@outboundRampTaxiTimeDuration	US			PhaseOfTaxiOperations
OutboundMovementAreaHoldTimeDuration	NasMessage/flight/departure/taxiOperationMetrics/@outboundMovementAreaHoldTimeDuration	US			PhaseOfTaxiOperations

OutboundMovementAreaTaxiTimeDuration	NasMessage/flight/departure/taxiOperationMetrics/@outboundMovementAreaTaxiTimeDuration	US			PhaseOfTaxiOperations
OutboundMovementAreaQueuingTimeDuration	NasMessage/flight/departure/taxiOperationMetrics/@outboundMovementAreaQueuingTimeDuration	US			PhaseOfTaxiOperations
InboundMovementAreaTaxiTimeDuration	NasMessage/flight/arrival/taxiOperationMetrics/@inboundMovementAreaTaxiTimeDuration	US			PhaseOfTaxiOperations
InboundMovementAreaHoldTimeDuration	NasMessage/flight/arrival/taxiOperationMetrics/@inboundMovementAreaHoldTimeDuration	US			PhaseOfTaxiOperations
InboundRampTaxiTimeDuration	NasMessage/flight/arrival/taxiOperationMetrics/@inboundRampTaxiTimeDuration	US			PhaseOfTaxiOperations
TargetMovementAreaEntryTime	NasMessage/flight/departure/movementAreaTargetEntryTime	US			MeteringReadyTimeCompliance MeteringTimeCompliance
ActualMeteringControlArrivalTime	NasMessage/flight/additionalFlightInformation	US		name="ACT_METER_CNTRL_TME"; value=actual time. Example: 2018-02-02T18:43:44.770Z	MeteringReadyTimeCompliance
MeteringReadyTimeCompliance	NasMessage/flight/additionalFlightInformation	US		name="METER_RDY_TME_C MPLNC"; value=COMPLIANT or	MeteringReadyTimeCompliance

				NOT_COMPLIANT. Example: COMPLIANT	
ActualMovementAreaEntryClearedTime	NasMessage/flight/additionalFlightInformation	US		name="ACT_M A_ENT_CLRD_TME"; value=actual time. Example: 2018-02-02T18:43:44.770Z	MeteringTime Compliance
MeteringTimeCompliance	NasMessage/flight/additionalFlightInformation	US		name="METER_TME_CMPLNC"; value=COMPLIANT or NOT_COMPLIANT. Example: COMPLIANT	MeteringTime Compliance
MeteringHoldLength	NasMessage/flight/additionalFlightInformation	US		name="METER_HOLD_LENGTH"; value=The duration of the total amount of metering hold assigned to the flight.	MeteringHold
QueueWaitingTimeAccuracy	NasMessage/flight/additionalFlightInformation	US		name="QUEUE_WAIT_TME_ACC"; value=The duration that is the difference between the flight's actual queue waiting time and the predicted.	ActualVsPredictedFlightTimes
ActualTakeOffTime	NasMessage/flight/departure/runwayDepartureTime/actual	US			ActualVsPredictedFlightTimes

TakeOffTimeAccuracy	NasMessage/flight/additionalFlightInformation	US		name="TO_TME_ACC"; value=The duration that is the difference between the flight's actual Take Off and the predicted	ActualVsPredictedFlightTimes
SpotToQueueTaxiTimePredictionAccuracy	NasMessage/flight/additionalFlightInformation	US		name="SPOT_Q_TAXI_TME_ACC"; value=The duration that is the difference between the flight's actual taxi time and the predicted	ActualVsPredictedFlightTimes
TargetMovementAreaEntryTimeNumberOfChanges	NasMessage/flight/additionalFlightInformation	US		name="TMAT_NUM_CHANGES"; value=The count of times the TMAT changed for the flight. Example: 2	StabilityOfMeteringTimes
TargetMovementAreaEntryTimeChangesTotalTime	NasMessage/flight/additionalFlightInformation	US		name="TMAT_CHG_TOTL_TME"; value=The duration that is the total amount of time for the TMAT changes for the flight.	StabilityOfMeteringTimes
[MeteringTimeChange] TargetMovementAreaEntryTimePrior	NasMessage/flight/additionalFlightInformation	US		name="TMAT_PRIOR"; value=time of previous TMAT. If the	StabilityOfMeteringTimes

				<p>number of TMAT changes is greater than 1, this is a comma-delimited list of values. Example: 2018-02-02T18:42:44.770Z, 2018-02-02T18:44:44.770Z</p>	
[MeteringTimeChange] TargetMovementAreaEntryTimeNew	NasMessage/flight/additionalFlightInformation	US		<p>name="TMAT_NEW"; value=time of new TMAT. If the number of TMAT changes is greater than 1, this is a comma-delimited list of values. Example: 2018-02-02T18:44:44.770Z, 2018-02-02T18:46:44.770Z</p>	StabilityOfMeteringTimes
[MeteringTimeChange] Timestamp	NasMessage/flight/additionalFlightInformation	US		<p>name="TMAT_CHG_TIMESTAMP"; value=actual time new TMAT assigned. If the number of TMAT changes is greater than 1, this is a comma-delimited list of values. Example: 2018-02-02T18:35:44.770Z, 2018-02-02T18:37:44.770Z</p>	StabilityOfMeteringTimes

[MeteringTimeChange] TargetMovementAreaEntryTimeChangeReason	NasMessage/flight/additionalFlightInformation	US		name="TMAT_CHG_REASON"; value=string. If the number of TMAT changes is greater than 1, this is a comma-delimited list of values. Example: COMPRESSIO N, COMPRESSIO N	StabilityOfMeteringTimes
[MeteringTimeChange] TargetMovementAreaEntryTimeDifference	NasMessage/flight/additionalFlightInformation	US		name="TMAT_TME_DIFF"; value=The duration that is the difference between the new TMAT and the old. If the number of TMAT changes is greater than 1, this is a comma-delimited list of values.	StabilityOfMeteringTimes

Operational Metrics Schema Information

This table includes which elements may be included in airport wide metrics contained in the Operational Metrics messages.

Data Element	Xpath In Operational Metrics Message	Included as List	Details
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StartTime	OperationalMetricsType/kpiStartTime		Formatted : YYYY-MM-DDThh:mm:ss[.SSS][Z GMT-zzzz]
EndTime	OperationalMetricsType/kpiEndTime		Formatted : YYYY-MM-DDThh:mm:ss[.SSS][Z GMT-zzzz]
Aerodrome	OperationalMetricsType/aerodrome		
AirportThroughputDepartureCount	OperationalMetricsType/kpiAirportThroughput/airportThroughputDepartureCount		
AirportThroughputWeightedDepartureCount	OperationalMetricsType/kpiAirportThroughput/airportThroughputWeightedDepartureCount		
AirportThroughputArrivalCount	OperationalMetricsType/kpiAirportThroughput/airportThroughputArrivalCount		
AirportThroughputTotalCount	OperationalMetricsType/kpiAirportThroughput/airportThroughputTotalCount		
RunwayThroughputList	OperationalMetricsType/kpiAirportThroughput/runwayThroughputList	✓	Contains list of RunwayThroughput elements.
RunwayDesignator	OperationalMetricsType/kpiAirportThroughput/runwayThroughputList/runwayThroughput/runwayDesignator		Contained in each element in RunwayThroughputList

			throughput list.
RunwayThroughputDepartureCount	OperationalMetricsType/kpiAirportThroughput/runwayThroughputList/ runwayThroughput/runwayThroughputDepartureCount		Contained in each element in RunwayThroughput list.
RunwayThroughputWeightedDepartureCount	OperationalMetricsType/kpiAirportThroughput/runwayThroughputList/ runwayThroughput/runwayThroughputWeightedDepartureCount		Contained in each element in RunwayThroughput list.
RunwayThroughputArrivalCount	OperationalMetricsType/kpiAirportThroughput/runwayThroughputList/ runwayThroughput/runwayThroughputArrivalCount		Contained in each element in RunwayThroughput list.
CanceledDepartureDemand	OperationalMetricsType/canceledDepartureDemand		
FlightDataQuality	OperationalMetricsType/flightDataQuality	✓	Contains list of NasFlight Type
MeteringReadyTimeCompliance	OperationalMetricsType/kpiMeteringReadyTimeCompliance	✓	Contains list of NasFlight Type
MeteringTimeCompliance	OperationalMetricsType/kpiMeteringTimeCompliance	✓	Contains list of NasFlight Type

MeteringHold	OperationalMetricsType/meteringHold	✓	Contains list of NasFlight Type
ActualVsPredictedFlightTimes	OperationalMetricsType/actualVsPredictedFlightTimes	✓	Contains list of NasFlight Type
StabilityOfMeteringTimes	OperationalMetricsType/stabilityOfMeteringTimes	✓	Contains list of NasFlight Type
PhaseOfTaxiOperations	OperationalMetricsType/phaseOfTaxiOperations	✓	Contains list of NasFlight Type
MissedDepartureOpportunitiesCount	OperationalMetricsType/kpiMissedDepartureOpportunities/airportModeMissedDepartureOpportunitiesCount		
MissedDepartureOpportunitiesDuration	OperationalMetricsType/kpiMissedDepartureOpportunities/airportModeMissedAirportDepartureOpportunitiesTimeDuration		
RunwayModeMissedDepartureOpportunities	OperationalMetricsType/kpiMissedDepartureOpportunities/runwayModeMissedDepartureOpportunities	✓	

WSRD to ATD2

The table below includes the Operational Metrics elements as described in the TTP Web Service Requirements Document (WSRD). It also gives an indication of which elements are implemented by ATD-2.

WSRD	Definition	TFDM Build 1	TFDM Build 2	ATD-2
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Aerodrome	The ICAO designator or the FAA Location Identifier for the aerodrome	✓	✓	✓
[Aerodrome] KPIAirportThroughput	Complex data item providing the airport throughput KPI	✓	✓	✓
[KPIAirportThroughput] KPIStartTime	KPI Interval Start Time	✓	✓	✓
[KPIAirportThroughput] KPIEndTime	KPI Interval End Time	✓	✓	✓
[KPIAirportThroughput] AirportThroughputDepartureCount	The departure count for the time interval	✓	✓	✓
[KPIAirportThroughput] AirportThroughputArrivalCount	The arrival count for the time interval	✓	✓	✓
[KPIAirportThroughput] AirportThroughputTotalCount	The combined departure and arrival count for the time interval	✓	✓	✓
[Aerodrome] KPIAirportArrivalDemand	Complex data item providing the airport arrival demand KPI			
[Aerodrome] KPIAirportDepartureDemand	Complex data item providing the airport departure demand KPI			
[Aerodrome] KPIAirportCanceledDemand	Complex data item providing the airport canceled demand KPI	✓	✓	✓
[KPIAirportCanceledDemand] DepartureCancellationCount	The departure cancellation count for the time interval	✓	✓	✓

[KPIAirportCanceledDemand] ArrivalCancellationCount	The arrival cancellation count for the time interval			
[Aerodrome] KPIArrivalRates	Complex data item providing the arrival rates KPI.	✓	✓	✓
[KPIArrivalRates] AirportArrivalRate	The airport arrival rate declared by the facility expressed in number of aircraft per hour	✓	✓	✓
[KPIArrivalRates] ArrivalRunway	Complex data item for the arrival runways data items	✓	✓	✓
[KPIArrivalRates] RunwayDesignator	The runway designator	✓	✓	✓
[KPIArrivalRates] RunwayArrivalRate	The runway arrival rate declared by the facility expressed in number of aircraft per hour	✓	✓	✓
[Aerodrome] KPIDepartureRates	Complex data item providing the departure rates KPI.	✓	✓	✓
[KPIDepartureRates] AirportDepartureRate	The airport departure rate declared by the facility expressed in number of aircraft per hour	✓	✓	✓
[KPIDepartureRates] DepartureRunway	Complex data item for the departure runways data items	✓	✓	✓
[KPIDepartureRates] RunwayDesignator	The runway designator	✓	✓	✓
[KPIDepartureRates] RunwayDepartureRate	The runway departure rate declared by the facility expressed in number of aircraft per hour	✓	✓	✓

[Aerodrome] KPIFlightInitializationLeadTime	Complex data item providing the flight initialization lead time KPI			
[FlightList] FlightData	Complex item providing flight data for one single flight	✓	✓	✓
[FlightData] AircraftIdentification	Name used by ATS units to identify and communicate with an aircraft.	✓	✓	✓
[FlightData] DepartureAerodrome	The ICAO designator or the FAA Location Identifier for the aerodrome from which the flight departs	✓	✓	✓
[FlightData] ArrivalAerodrome	The ICAO designator or the FAA Location Identifier for the aerodrome at which the flight is scheduled, expected to arrive or has arrived at.	✓	✓	✓
[FlightData] InitialGateTimeOfDeparture	The date and time at which a flight was originally planning to depart the stand.	✓	✓	✓
[FlightData] Gufi	Globally Unique Flight Identifier that uniquely identifies a specific flight and is independent of any particular system.	✓	✓	✓
[FlightData] FlightCreationDateTime	The date and time at which a flight was originally created in the TFDM system.			

[FlightData] FlightInitializationLeadTime	The flight initialization lead time computed as the difference between the flight's Initial Gate Time of Departure and the Flight Creation Date and Time in TFDM			
[FlightData] FlightInitializationLeadTimePoints	System assigned number of points for providing the flight initialization lead time	✓	✓	✓
[Aerodrome] KPIDataComprehensiveness	Complex data item providing the data comprehensiveness KPI report			
[KPIDataComprehensiveness] [FlightData] DataComprehensivenessPoints	System assigned total number of points for providing the Aircraft Registration Mark, the Stand Assignment and/or the Cancellation Intent for the flight	✓	✓	✓
[Aerodrome] KPIMeteringReadyTimeCompliance	Complex data item providing the metering ready time compliance KPI		✓	✓
[Aerodrome] KPIMeteringTimeCompliance	Complex data item providing the metering time compliance KPI report		✓	✓
[Aerodrome] KPIAirportConfigurationChangeEfficiency	Complex data item providing the airport configuration change efficiency KPI			
[Aerodrome] KPIOffBlockDepartureTimeAccuracy	Complex data item providing the Off-Block departure time accuracy KPI			
[Aerodrome] KPITimelyProvisionOfActualOffBlock Time	Complex data item providing the timely provision of Actual Off-Block times KPI report			

[KPI Timely Provision Of Actual Off Block Time] TimelyProvisionOfActualOffBlockTimeCompliancePoints	System assigned number of points for the timely provision of Actual Off-Block Time for the flight (whether the user provided the AOBT for a flight within five minutes of its pushback.	✓	✓	✓
[Aerodrome] KPI Metering Hold	Complex data item providing the metering hold KPI			
[Flight Data] Metering Hold Length	The total amount of metering hold assigned to the flight			
[Aerodrome] KPI Calculated Fuel Burn	Complex data item providing the calculated fuel burn KPI			
[Aerodrome] KPI Emissions	Complex data item providing the emissions KPI			
[Aerodrome] KPI Queue Length Accuracy	Complex data item providing the queue length accuracy KPI			
[Aerodrome] KPI Queue Waiting Time Accuracy	Complex data item providing the queue waiting time accuracy KPI		✓	✓
[Aerodrome] KPI Runway Departure Rate Accuracy	Complex data item providing the runway departure rate accuracy KPI			
[Aerodrome] KPI Takeoff Time Predicted Actual Accuracy	Complex data item providing the predicted versus actual runway departure time accuracy KPI.	✓	✓	✓
[Aerodrome] KPI Planned Actual Taxi Time Spot To Queue Accuracy	Complex data item providing the planned versus actual taxi time from spot to queue time accuracy KPI	✓	✓	✓

[Aerodrome] KPIDMPNumberOfChanges	Complex data item providing the number of DMP changes KPI			
[Aerodrome] KPIDMPNumberOfRejected	Complex data item providing the number of DMP rejected KPI			
[Aerodrome] KPIMissedDepartureOpportunities	Complex data item providing the missed departure opportunities KPI		✓	✓
[Aerodrome] KPIStabilityOfMeteringTimes	Complex data item providing the stability of metering times KPI		✓	✓
[Aerodrome] KPIPhaseOfTaxiOperations	Complex data item providing the phase of taxi operations KPI		✓	✓
[Aerodrome] KPIDataQuality	Complex data item providing the data Quality KPI report		✓	✓

Example Operational Metrics Message

This message is shortened to include only one FlightData element per FlightList. Typically, there will be a FlightData element for each flight arrived/departed in the metrics timeframe included in each FlightList in the message.

HEADERS:

```
"AERODROME": "KCLT"
"DATA_GROUP": "OperationalMetrics"
"MESSAGE_TYPE": "OperationalMetrics"
"PRIVACY_LEVEL": "NoSFD"
"SCHEMA_VERSION": "4.1.1"
"TFDM_RELEASE": "null"
"TIME_STAMP": "2018-07-06T16:00:01Z"
"UUID": "69502537-6ea4-4d39-ad1f-25ac3a00ab07"
```

```
<ns5:operationalMetrics
xmlns:ns5="http://www.mosaicatm.com/ttp/operationalmetrics"
xmlns:base="http://www.fixm.aero/base/4.0"
```

```

xmlns:fx="http://www.fixm.aero/flight/4.0"
xmlns:nas="http://www.faa.aero/nas/4.1">
  <kpiStartTime>2018-07-06T15:45:00.001Z</kpiStartTime>
  <kpiEndTime>2018-07-06T16:00:00.001Z</kpiEndTime>
  <aerodrome>KCLT</aerodrome>
  <kpiAirportThroughput>
    <airportThroughputDepartureCount>14</airportThroughputDepartureCount>

<airportThroughputWeightedDepartureCount>14</airportThroughputWeightedDeparture
Count>
  <airportThroughputArrivalCount>12</airportThroughputArrivalCount>
  <airportThroughputTotalCount>26</airportThroughputTotalCount>
  <runwayThroughputList>
    <runwayThroughput>
      <runwayDesignator>36C</runwayDesignator>
      <runwayThroughputDepartureCount>8</runwayThroughputDepartureCount>

<runwayThroughputWeightedDepartureCount>8</runwayThroughputWeightedDepartureCou
nt>
    </runwayThroughput>
    <runwayThroughput>
      <runwayDesignator>23</runwayDesignator>
      <runwayThroughputArrivalCount>1</runwayThroughputArrivalCount>
    </runwayThroughput>
    <runwayThroughput>
      <runwayDesignator>36L</runwayDesignator>
      <runwayThroughputArrivalCount>5</runwayThroughputArrivalCount>
    </runwayThroughput>
    <runwayThroughput>
      <runwayDesignator>36R</runwayDesignator>
      <runwayThroughputDepartureCount>6</runwayThroughputDepartureCount>

<runwayThroughputWeightedDepartureCount>6</runwayThroughputWeightedDepartureCou
nt>
      <runwayThroughputArrivalCount>6</runwayThroughputArrivalCount>
    </runwayThroughput>
  </runwayThroughputList>
</kpiAirportThroughput>
<kpiAirportCanceledDepartureDemand>0</kpiAirportCanceledDepartureDemand>
<flightDataQuality>
  <flightList>
    <flightListTimeStamp>2018-07-06T16:00:00.001Z</flightListTimeStamp>
    <flightData xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="nas:TfdmFlightType" dataComprehensivenessPoints="10"
dataQualityPoints="80">
      <fx:departure xsi:type="nas:TfdmDepartureType"
flightInitializationLeadTimePoints="15" offBlockTimeAccuracyPoints="50"

```

```
timelyProvisionOfActualOffBlockTimeCompliancePoints="5"
departurePointText="KCLT">
    <nas:offBlockTime>
        <nas:initial>2018-07-06T00:00:00.000Z</nas:initial>
    </nas:offBlockTime>
</fx:departure>
<fx:destination xsi:type="nas:NasDestinationType"
destinationPointText="MKJS" />
<fx:flightIdentification xsi:type="nas:NasFlightIdentificationType"
computerId="89Y" aircraftIdentification="AAL875">
    <nas:idCreatorUnit xsi:type="base:IcaoUnitReferenceType"
locationIndicator="AAL" />
</fx:flightIdentification>
<nas:additionalFlightInformation>
    <nas:nameValue name="TFDMID"
value="AAL875.CLT.MBJ.180705.2134.0102.TFM" />
    <nas:nameValue name="TFDMIDCreator" value="CLT" />
</nas:additionalFlightInformation>
<nas:flightPlan identifier="KT51625600" />
<nas:interimAltitude xsi:nil="true" />
</flightData>
</flightList>
</flightDataQuality>
<kpiMeteringReadyTimeCompliance>
    <numberOfDepartures>0</numberOfDepartures>

<numberOfDeparturesWithinComplianceWindow>0</numberOfDeparturesWithinCompliance
Window>

<numberOfDeparturesMarkedAsExemptions>0</numberOfDeparturesMarkedAsExemptions>
<flightList>
    <flightListTimeStamp>2018-07-06T16:00:00.001Z</flightListTimeStamp>
    <flightData xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="nas:TfdmFlightType" dataComprehensivenessPoints="10"
dataQualityPoints="80">
        <fx:departure xsi:type="nas:TfdmDepartureType"
departurePointText="KCLT">
            <nas:movementAreaTargetEntryTime />
            <nas:offBlockTime>
                <nas:initial>2018-07-06T00:00:00.000Z</nas:initial>
            </nas:offBlockTime>
        </fx:departure>
        <fx:destination xsi:type="nas:NasDestinationType"
destinationPointText="MKJS" />
        <fx:flightIdentification xsi:type="nas:NasFlightIdentificationType"
computerId="89Y" aircraftIdentification="AAL875">
            <nas:idCreatorUnit xsi:type="base:IcaoUnitReferenceType"
locationIndicator="AAL" />
```

```

        </fx:flightIdentification>
        <nas:additionalFlightInformation>
            <nas:nameValue name="TFDMID"
value="AAL875.CLT.MBJ.180705.2134.0102.TFM" />
            <nas:nameValue name="TFDMIDCreator" value="CLT" />
            <nas:nameValue name="ACT_METER_CNTRL_TME"
value="2018-07-06T00:00:00.000Z" />
            <nas:nameValue name="METER_RDY_TME_CMPLNC" />
        </nas:additionalFlightInformation>
        <nas:flightPlan identifier="KT51625600" />
        <nas:interimAltitude xsi:nil="true" />
    </flightData>
</flightList>
</kpiMeteringReadyTimeCompliance>
<kpiMeteringTimeCompliance>
    <numberOfDepartures>0</numberOfDepartures>

<numberOfDeparturesWithinComplianceWindow>0</numberOfDeparturesWithinCompliance
Window>
    <flightList>
        <flightListTimeStamp>2018-07-06T16:00:00.001Z</flightListTimeStamp>
        <flightData xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="nas:TfdmFlightType">
            <fx:departure xsi:type="nas:TfdmDepartureType"
departurePointText="KCLT">
                <nas:offBlockTime>
                    <nas:initial>2018-07-06T00:00:00.000Z</nas:initial>
                </nas:offBlockTime>
            </fx:departure>
            <fx:destination xsi:type="nas:NasDestinationType"
destinationPointText="MKJS" />
            <fx:flightIdentification xsi:type="nas:NasFlightIdentificationType"
computerId="89Y" aircraftIdentification="AAL875">
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                <nas:nameValue name="METER_TME_CMPLNC" />
                <nas:nameValue name="ACT_MA_ENT_CLRD_TME"
value="2018-07-06T00:00:00.000Z" />
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locationIndicator="AAL" />
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destinationPointText="MKJS" />
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locationIndicator="AAL" />
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value="-P0Y0M0DT0H1M26.000S" />
            <nas:nameValue name="TO_TME_ACC" value="-P0Y0M0DT0H2M17.000S" />
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inboundMovementAreaTaxiTimeDuration="P0Y0M0DT0H0M0.000S"
inboundRampTaxiTimeDuration="P0Y0M0DT0H0M0.000S" />
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outboundMovementAreaQueuingTimeDuration="P0Y0M0DT0H5M28.000S"
outboundMovementAreaTaxiTimeDuration="P0Y0M0DT0H3M24.000S"
outboundRampTaxiTimeDuration="P0Y0M0DT0H6M18.000S"
standMeteringHoldTimeDuration="P0Y0M0DT0H0M0.000S" />
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                <fx:destination xsi:type="nas:NasDestinationType"
destinationPointText="MKJS" />
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computerId="89Y" aircraftIdentification="AAL875">
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locationIndicator="AAL" />
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value="AAL875.CLT.MBJ.180705.2134.0102.TFM" />
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                <nas:flightPlan identifier="KT51625600" />
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            </flightData>
        </flightList>
    </phaseOfTaxiOperations>
</ns5:operationalMetrics>

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