

**AN ANALYSIS OF STREAMING PERFORMANCE IN
3G MOBILE NETWORK**

by

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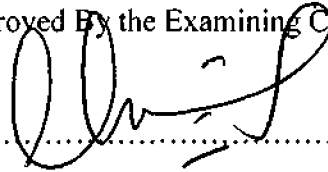
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ABSTRACT

The third generation, 3G, mobile telephone systems are new technologies that have been used developed country such as United State, Australia and Japan. It is designed for multimedia communication and will offer us similar services as in our stationary computers. Streaming is one of the services that provided in 3G networks and it is a common technology for video transmission over the Internet and with 3G it is supposed to become popular also in our mobiles. However how good the streaming performance using in 3G mobile networks still questionable. The aim of this study is to analyze streaming performance in 3G mobile networks. For this research we used two types service that provided in 3G mobile there are Video-On demand and live streaming. In order to deliver both streaming media in 3G mobile some specification need to be considered including the type of media that being used. Therefore for this research we compared two types of media that can be used in 3G mobile phone. There are MPEG-4 and RealVideo media streams which both media type can be compared using parameters; stream availability, startup time, thinning and Loss and rebuffering or interruptions. These parameters are being used during the testing to collect data which then to be analyzed. Data that has been analyzed will be use by developer as guidance to enhance streaming performance in 3G mobile networks.

TABLE OF CONTENTS

	Pages
CERTIFICATION OF ORIGINALITY	i
ACKNOWLEDGEMENT	ii
ABSTRACT	iii
TABLE OF CONTENT	iv
LIST OF FIGURES	viii
LIST OF TABLES	ix
LIST OF GRAPHS	x
LIST OF ABBREVIATIONS	xi
CHAPTER 1: INTRODUCTION	
1.0 Introduction	1
1.1 Background Of Problem	1
1.2 Problem Statement	2
1.3 Problem Definition	3
1.3.1 Problem Associated with IP-based Delivery	4
1.3.2 Random Access	4
1.3.3 Heterogeneity of Processing Resources	5
1.4 Objectives of the Research	5
1.5 Scopes of the Research	6
1.6 Significance of the Research	7
1.7 Summary	7

CHAPTER 2: LITERATURE REVIEW

2.0	Introduction	8
2.1	Introduction of 3G	9
2.2	Introduction of streaming	10
2.2.1	Video-On Demand	12
2.2.2	Live Streaming	13
2.3	Downloading versus Streaming	13
2.4	Detail Problem	14
2.5	Mobile Streaming Standardization	16
2.6	How Streaming work on 3G mobile phone	17
2.7	Video Coding	18
2.7.1	H.263	20
2.7.2	MPEG-4	20
2.7.3	Real Video7 and Real Video8	
2.8	Similar Project	
2.8.1	Akamai Streaming Performance Matters	21
2.8.2	An End-to-End Qos Framework for Multimedia streaming Services in 3G Networks (H. Montes et.al, 2002)	21
2.8.3	Deployment of IP Multimedia Streaming Services in Third-Generation Mobile Networks (H. Montes et.al, 2002)	22
2.8.4	Analysis Performance for Video Streams across Networks (http://www.netpredict.com)	22
2.9	Summary	23

CHAPTER 3: METHODOLOGY

3.0	Introduction	24
3.1	Information Gathering	25
3.1.1	Primary Data	26
3.1.2	Secondary Data	26