Network Working Group | Brian Bidulock
INTERNET-DRAFT | OpenSS7 Corporation

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**Session Identification Registration (SESSID)**
**for**
**Signalling User Adaptation Layers**
**<draft-bidulock-sigtran-sessid-00.ps>**

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## Abstract

This memo describes **Session Id Registration** that provides the ability for one (listening) Application Server to indicate that a session should be established with another (accepting) Application Server for connection- and transaction-oriented messaging the in SS7 Signalling User Adaptation Layers [M3UA, SUA09, TUA01]. Extension parameters and procedures are added by this memo in extension to those of the User Adaptation layers to provide a closer model to that of the XNS/XTI interfaces, where one interface may be designated as a 'listener' and another designated as an 'acceptor'. This permits ISO compliant interfaces for SCCP to maintain the same semantic for SUA and TUA.

## 1. Introduction

### 1.1. Scope

### 1.2. Terminology

### 1.3. Overview

#### 1.3.1. Multiple SGs

##### 1.3.1.1. Fail-over of routesets between SGs

##### 1.3.1.2. Redirection of routesets between SGs

### 1.4. Sample Configurations

## 2. Conventions

The keywords **MUST**, **MUST NOT**, **REQUIRED**, **SHALL**, **SHALL NOT, SHOULD**, **SHOULD NOT**, **RECOMMENDED**, **NOT RECOMMENDED**, **MAY**, and **OPTIONAL**, when they appear in this document, are to be interpreted as described in [RFC 2119].

# 3. Protocol Elements

## 3.1. Parameters

## 3.2. Messages

# 4. Procedures

## 4.1. AS and ASP State Maintenance

### 4.1.1. ASP State

### 4.1.2. AS State

### 4.1.3. ASP Up Procedures

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### 4.1.7. Notify Procedures

# 5. Examples

# 6. Security

# 7. IANA Considerations

## Acknowledgments

The authors would like to thank for their valuable comments and suggestions.

## Notes

## References

M3UA. G. Sidebottom, J. Pastor-Balbas, I. Rytina, G. Mousseau, L. Ong, H. J. Schwarzbauer, K. Gradischnig, K. Morneault, M. Kalla, N. Glaude, B. Bidulock and J. Loughney, “SS7 MTP3-User Adaptation Layer (M3UA),” <draft-ietf-sigtran-m3ua-10.txt>, Internet Engineering Task Force - Signalling Transport Working Group (November, 2001). Work In Progress.

SUA09.
J. Loughney, G. Sidebottom, G. Mousseau, S. Lorusso, L. Coene, G. Verwimp, J. Keller, F. E. Gonzalez, W. Sully, S. Furniss and B. Bidulock, “SS7 SCCP-User Adaptation Layer (SUA),” <draft-ietf-sigtran-sua-09.txt>, Internet Engineering Task Force - Signalling Transport Working Group (June 2001). Work In Progress.

TUA01.
B. Bidulock, “SS7 TCAP-User Adaptation Layer (TUA),” <draft-bidulock-sigtran-tua-01.txt>, Internet Engineering Task Force - Signalling Transport Working Group (January 2, 2003). Work In Progress.

RFC 2119.
S. Bradner, “Key words for use in RFCs to Indicate Requirement Levels,” RFC 2119 - BCP 14, The Internet Society (March 1997).

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