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**Signalling Transport User Adaptation Layer
Applicability Statement
UA AS
<draft-bidulock-sigtran-as-00.ps>**

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Abstract

This document defines a protocol for the transport of any SS7 ISUP-User signalling (e.g, Call Control) over IP using the Stream Control Transport Protocol [RFC 2960]. The protocol should be modular and symmetric, to allow it to work in diverse architectures, such as a Signalling Gateway and IP Signalling End-point architecture. Protocol elements are added to allow seamless operation between peers in the SS7 and IP domains.

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1.1. Scope

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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].

In this document, the following conventions are used to describe how a parameter is used in the message:

Mandatory The parameter **MUST** be present in the message. A message listing a parameter as *Mandatory* without containing such a parameter is incorrectly formatted.

Conditional The parameter **SHOULD** be present in the message under the conditions specified. A message listing a parameter as *Conditional* without containing such a parameter under the conditions specified is incorrectly formatted.

Optional The parameter **MAY** be present in the message as specified. A message listing a parameter as *Optional* without containing such a parameter is correctly formatted.

3. Applicability

3.1. Applicability of UAs at Various Protocol Levels

3.2. M2PA Applicability

3.2.1. Architecture

Figure 1 illustrates the intended architecture for M2PA [M2PA06].

Figure 1. M2PA Architecture

3.2.2. Redundancy

3.2.3. Multiple SGs

3.2.4. Traffic Modes

3.3. M2UA Applicability

3.3.1. Architecture

Figure 2 illustrates the intended architecture for M2UA [M2UA].

Figure 2. M2UA Architecture

3.3.2. Redundancy

3.3.3. Multiple SGs

3.3.4. Traffic Modes

3.4. M3UA Applicability

3.4.1. Architecture

Figure 3 illustrates the intended architecture for M3UA [M3UA].

Figure 3. M3UA Architecture

3.4.2. Redundancy

3.4.3. Multiple SGs

3.4.4. Traffic Modes

3.5. ISUA Applicability

3.5.1. Architecture

Figure 4 illustrates the intended architecture for ISUA [ISUA00].

Figure 4. ISUA Architecture

3.5.2. Redundancy

3.5.3. Multiple SGs

3.5.4. Traffic Modes

3.6. SUA Applicability

3.6.1. Architecture

Figure 5 illustrates the intended architecture for SUA [SUA14].

Figure 5. SUA Architecture

3.6.2. Redundancy

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3.7. TUA Applicability

3.7.1. Architecture

Figure 6 illustrates the intended architecture for TUA [TUA01].

Figure 6. TUA Architecture

3.7.2. Redundancy

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4. Security

5. IANA Considerations

6. Timer Values

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References

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