

October 5-8, 2004

St Paul's Bay, Malta

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**Title:** IETF work for MIKEY MBMS extensions

**Source:** Ericsson, ???

**Document for:** Discussion and decision

**Agenda Item:**

**Work Item:** MBMS

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## 1 Introduction

This contribution discusses the needed work in IETF for MIKEY MBMS extensions.

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## 2 Discussion

MIKEY is an IETF RFC [1] but SA3 has specified MBMS specific extensions to MIKEY, e.g. a new general extension payload. The following issues should be specified:

- Name space for MIKEY MBMS extensions
- UDP port for MIKEY

There are two possibilities for handling these

- Use private numbering or
- Use the official IETF process

Using the official IETF process for MIKEY extensions means that a new RFC would be needed. However, it is likely that this not ready within Rel-6 timeframe. The other possibility is to use private numbering. This has the drawback that the new name space is not specified anywhere in the IETF and there is a risk of name space collision in the future.

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## 3 Conclusions and proposal

There seems to be no clear way forward. Therefore it is proposed to

- Start the work with private numbering, i.e. needed extensions are taken from the private number space and specified in TS 33.246

AND

- Start parallel official IETF process to get “official name space numbers”

It is also proposed that if the official IETF process is completed before SA3 TS 33.246 is completed, the private numbers in the TS are changed to “official numbers”. Else the private numbers stay in use and the IETF process can be stopped.

This may mean that such RFC should have some priority handling in IETF 3GPP coordination.

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## 4 References

- [1] IETF RFC 3830, MIKEY
- [2] TS 33.246, MBMS Security