

# Global Service Provider ID

draft-pfautz-service-provider-identifier-urn-01

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# Background

- Interest in a globally unique service provider identifier in several industry bodies
- i3 Forum – Global SPID
  - [http://i3forum.org/sites/default/files/i3\\_Global\\_SPID\\_Specifications\\_Release\\_1\\_may\\_2011.pdf](http://i3forum.org/sites/default/files/i3_Global_SPID_Specifications_Release_1_may_2011.pdf)
  - Identify serving provider of an E.164 number for least cost routing
  - Direct URI routing not appropriate
  - Seek open registration – support for non-traditional carriers
- GSMA - IR.67 proposed Service Provider Number, TBD by ITU-T, as substitute for E.212 assignments for non-mobile carriers
- ITU-T correspondence group on SPN
  - Little progress
  - support for non-traditional registrants unclear
- Needs from other bodies:
  - Drinks
  - SIP Forum?

# Need for Convergence –wouldn't it be nice...

- Desirable to have one globally unique identifier
- i3 members initially looked to ITU, consistent with GMSA IR.67
- Prospects in ITU are dim

# Proposal for Specification in IETF

- Numeric ID, at least 8 digits long
- Fixed length
- Available to any type of entity
- Entities able to obtain multiple identifiers.
- Some range of identifiers reserved for internal usage
- Open registration by IANA

URN:SPID:<8>DIGIT ; could be something other than “SPID”  
DIGIT=%30-39

# Alternatives

- Private Enterprise Numbers (used in SNMP MIB, RFC 2578)
  - Part of OID hierarchy: iso.org.dod.internet.private.enterprise 1.3.6.1.4.1
  - Not specifically fixed length (issue re use in prefixing)
  - Use sub-delegation rather than explicitly allowing multiple assignments to an entity or general reserved allocation for internal use
- ITADs (RFC 3219 – TRIP protocol)
  - ITAD numbers in the range 1-255 are designated for Private Use
  - ITAD numbers in the range from 256 to  $(2^{32})-1$  are allocated by IANA on a First-Come-First-Serve basis. (not specifically fixed length)
  - Multiple allocation per entity?

# Discussion, please

- Thanks!