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| CHANGE REQUEST |
| Meeting:\* | ARC 20 |
| Source:\* | LAAS-CNRS |
| Date:\* | 2015-11-12 |
| Contact:\* | Mahdi Ben Alaya (ben.alaya@laas.fr)Thierry Monteil (monteil@laas.fr)Khalil Drira (drira@laas.fr) |
| Reason for Change/s:\* | This contribution fixes the issue related to SP-ID format an use faced during the interoperability test event. |
| CR against: Release\* | Release 1 |
| CR against: WI\* | [ ]  Active <Work Item number> [ ]  MNT maintenance / < Work Item number(optional)>[x]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0001-V1.11.1 |
| Clauses/Sub Clauses\* | 8.1.3 |
| Type of change: \* | [ ]  Editorial change[x]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR may break backwards compatibility with the last approved version of the TS? YES [ ]  NO [x] This CR is a mirror CR? YES [ ]  if YES, please indicate the document number of the original CR: <Document Number) : NO [x]   |
| Template Version:27 May 2015 (Dot not modify) |

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GUIDELINES for Change Requests:

Provide an informative introduction containing the problem(s) being solved, and a summary list of proposals.

Each CR should contain changes related to only one particular issue/problem.

In case of a correction, and the change apply to previous releases, a separated “mirror CR” should be posted at the same time of this CR

Follow the principle of completeness, where all changes related to the issue or problem within a deliverable are simultaneously proposed to be made E.g. A change impacting 5 tables should not only include a proposal to change only 3 tables. Includes any changes to references, definitions, and acronyms in the same deliverable.

Follow the drafting rules.

All pictures must be editable.

Check spelling and grammar to the extent practicable.

Use Change bars for modifications.

The change should include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change. Additions of complete sections need not show surrounding clauses as long as the proposed section number clearly shows where the new section is proposed to be located.

Multiple changes in a single CR shall be clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.

When subsequent changes are made to content of a CR, then the accepted version should not show changes over changes. The accepted version of the CR should only show changes relative to the baseline approved text.

### This contribution fixes the issue related to SP-ID format an use encountred during the interoperability test event (2015). In "Table 7.2-1: Identifiers formats and use", an FQDN shall be used for the SP-ID format, however this FQDN is not resolvable address and could not be used to locate a host target (see example below).

### At the same time the term "FQDN" was used several times in section "B.3 ASN/MN-CSE initiated connectivity establishment" to describe the use of DHCP and DNS, to resolve the CSE address and also in the pre-configuration mechanism to reach the IN-CSE.

### For the sake of clarity, the SP-ID use is clarified in table 7.2-1

Absolute resource URIs examples based on the HTTP binding for M2M-SP-ID = [//m2m.provider.com](http://192.168.0.2/_/m2m.provider.com/in-cse)

**Incorrect**:
[http://m2m.provider.com/in-cse](http://192.168.0.2/_/m2m.provider.com/in-cse)

**Correct**:
http://192.168.0.2/\_/m2m.provider.com/in-cse

### -----------------------Start of change 1-------------------------------------------

**Table 7.2-1: Identifiers formats and use**

| IdentifierName | Absolute &Format-Designator orRelative &Format-Designator & Context | Format | Rule of use |
| --- | --- | --- | --- |
| M2M-SP-ID  | AbsoluteM2M-SP-ID | The M2M-SP-ID shall conform to the FQDN format's defined in the IETF RFC 1035 [[i.7](#REF_IETFRFC1035)] prefixed by '//'The format then has the structure of//{FQDN}Where {FQDN} is a placeholder for the Fully Qualified Domain Name of the M2M Service Provider Domain Examples:* //www.m2mprovider.com
* //globalm2m.org

The following two M2M-SP-IDs could be used to separate two service segments: //automotive.m2m.telematics-service-company.com//building-management.m2m.telematics-service-company.comThe M2M-SP-ID need not to be a resolvable address and should not be used to locate a target host. | Whenever The M2M-SP-ID is used, only an Absolute format of the M2M-SP-ID defined herein applies |

### -----------------------End of change 1---------------------------------------------