|  |  |
| --- | --- |
| CHANGE REQUEST | |
| Meeting ID:\* | PRO 34 |
| Source:\* | Bob Flynn, Convida Wireless; [Flynn.bob@convidawireless.com](mailto:Flynn.bob@convidawireless.com) |
| Date:\* | 2018-03-14 |
| Reason for Change/s:\* | mgmtObj updates |
| CR against: Release\* | Release 3 |
| CR against: WI\* | Active <WI-0058>  MNT maintenance / < Work Item number(optional)>  Is this a mirror CR? Yes  No  mirror CR number: (Note to Rapporteur - use latest agreed revision)  STE Small Technical Enhancements / < Work Item number (optional)>  Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0004 Version 3.6.0 |
| Clauses \* | 7.4.18.1, Table 8.2.3‑3 |
| Type of change: \* | Editorial change  Bug Fix or Correction  Change to existing feature or functionality  New feature or functionality  Only ONE of the above shall be ticked |
| Impacted other TS/TR(s) | <TS/TR number>, <Version Number>, and <Description on which aspect should be reflected in this TS/TR> |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES  NO  This CR may break backwards compatibility with the last approved version of the TS? YES  NO |
| Template Version: January 2017 (Do 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 separate “mirror CR” should be posted at the same time of this CR

Mirror CR: applies only when the text, including clause numbering are exactly the same.

Companion CR: applies when the change means the same but the baselines differ in some way (e.g. clause number).

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 clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause 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.

## Introduction

R01- Add “No default” to the definition of Roaming Status. Add shortnames for the two new attributes.

Protocol contribution to reflect changes in ARC-2017-0263R02-TS-0001\_Roaming\_Indications\_Updates

*“The 3GPP SCEF API allows an IN-CSE to be informed whether or not a UE hosting an ASN/MN-CSE or ADN-AE is roaming from its home network.*

*This contribution proposes two new attributes to the <node> resource.*

*These two new attributes are proposed to allow an IN-CSE to make the roaming status of ASN/MN-CSEs or ADN-AEs available to AEs such that they can use this status to determine whether or not to avoid or delay sending requests to roaming ASN/MN-CSEs or ADN-AEs.*

*Note - This contribution is a companion to the Roaming Indication TS-0026 contribution.”*

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

#### 7.4.18.1 Introduction

The <node> resource represents specific information that provides properties of an oneM2M Node that can be utilized by other oneM2M operations. The <node> resource has <mgmtObj> as its child resources.

Table 7.4.18.1‑1: Data type definition of <node> resource

|  |  |  |
| --- | --- | --- |
| **Data Type ID** | **File Name** | **Note** |
| node | CDT-node-v3\_5\_0.xsd |  |

Table 7.4.18.1‑2: Universal/Common Attributes of <node> resource

|  |  |  |
| --- | --- | --- |
| Attribute Name | Request Optionality | |
| Create | Update |
| *@resourceName* | O | NP |
| resourceType | NP | NP |
| resourceID | NP | NP |
| parentID | NP | NP |
| accessControlPolicyIDs | O | O |
| creationTime | NP | NP |
| expirationTime | O | O |
| lastModifiedTime | NP | NP |
| labels | O | O |
| *announceTo* | O | O |
| *announcedAttribute* | O | O |
| *dynamicAuthorizationConsultationIDs* | O | O |

Table 7.4.18.1‑3: Resource Specific Attributes of <node> resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute Name | Request Optionality | | Data Type | Default Value and Constraints |
| Create | Update |
| nodeID | M | O | m2m:nodeID |  |
| hostedCSELink | O | NP | m2m:ID |  |
| mgmtClientAddress | O | O | xs:string |  |
| roamingStatus | NP | NP | xs:boolean | No default. TRUE represents that the M2M Node is currently roaming.  When this attribute is not present, it indicates that no information is available. |
| networkID | NP | NP | xs:string | No default. When this attribute is not present, it indicates that no information is available. |

Table 7.4.18.1‑4: Child resources of <node> resource

|  |  |  |  |
| --- | --- | --- | --- |
| Child Resource Type | Child Resource Name | Multiplicity | Ref. to Resource Type Definition |
| <mgmtObj> | [variable] | 0..n | Clasue 7.4.15,  See Annex D |
| <subscription> | [variable] | 0..n | Clause 7.4.8 |
| <semanticDescriptor> | [variable] | 0..n | Clause 7.4.34 |
| <trafficPattern> | [variable] | 0..n | Clause 7.4.42 |

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

### -----------------------Start of change 2-------------------------------------------








Table 8.2.3‑3: Resource attribute short names (3/6)

|  |  |  |
| --- | --- | --- |
| Attribute Name | Occurs in | Short Name |
| *objectPaths* | mgmtObj | ***obps*** |
| *mgmtSchema* | mgmtObj | ***mgs*** |
| *nodeID* | node | ***ni*** |
| *hostedCSELink* | node | ***hcl*** |
| *mgmtClientAddress* | node | ***mgca*** |
| *hostedAELinks* | node | ***hael*** |
| *hostedServiceLinks* | node | ***hsl*** |
| networkID | node | ***nid*** |
| roamingStatus | node | ***rms*** |
| *CSEBase* | remoteCSE | ***cb\**** |
| *M2M-Ext-ID* | remoteCSE, AE, locationPolicy | ***mei*** |
| *Trigger-Recipient-ID* | remoteCSE | ***tri*** |
| *requestReachability* | remoteCSE | ***rr*** |
| *triggerReferenceNumber* | remoteCSE | ***trn*** |
| descendantCSEs | remoteCSE | ***dcse*** |
| *multicastCapability* | remoteCSE | ***mtcc*** |
| *originator* | request | ***org*** |
| *metaInformation* | request | ***mi*** |
| *requestStatus* | request | ***rs*** |
| *operationResult* | request | ***ors*** |
| *operation* | request | ***op\**** |
| *requestID* | request | ***rid*** |
| *scheduleElement* | schedule | ***se*** |
| *networkCoordinated* | schedule | ***nco*** |
| *deviceIdentifier* | serviceSubscribedNode | ***di*** |
| *ruleLinks* | serviceSubscribedNode | ***rlk*** |
| *niddRequired* | serviceSubscribedNode | ***nrq*** |
| *statsCollectID* | statsCollect | ***sci*** |
| *collectingEntityID* | statsCollect | ***cei*** |
| *collectedEntityID* | statsCollect | ***cdi*** |
| *devStatus* | areaNwkDeviceInfo | ***ss*** |
| *statsRuleStatus* | statsCollect | ***srs*** |
| *statModel* | statsCollect | ***sm*** |
| *collectPeriod* | statsCollect | ***cp*** |
| *eventNotificationCriteria* | subscription | ***enc*** |
| *expirationCounter* | subscription | ***exc*** |
| *notificationURI* | subscription | ***nu*** |
| groupID | subscription | ***gpi*** |
| *notificationForwardingURI* | subscription | ***nfu*** |
| *batchNotify* | subscription | ***bn*** |
| *rateLimit* | subscription | ***rl*** |
| *preSubscriptionNotify* | subscription | ***psn*** |
| *pendingNotification* | subscription | ***pn*** |
| *notificationStoragePriority* | subscription | ***nsp*** |
| *latestNotify* | subscription | ***ln*** |
| *notificationContentType* | subscription | ***nct*** |
| *notificationEventCat* | subscription | ***nec*** |
| *subscriberURI* | subscription | ***su*** |
| *version* | firmware, software, token | ***vr*** |
| *URL* | firmware, software | ***url*** |
| *update* | firmware | ***ud*** |
| *updateStatus* | firmware | ***uds*** |
| *install* | software | ***in*** |
| *uninstall* | software | ***un*** |
| *installStatus* | software | ***ins*** |
| *activate* | software | ***act*** |
| *deactivate* | software | ***dea*** |
| *activeStatus* | software, areaNwkInfo | ***acts*** |
| *memAvailable* | memory | ***mma*** |
| *memTotal* | memory | ***mmt*** |

### -----------------------End of change 2-------------------------------------------

### -----------------------Start of change 3-------------------------------------------

### -----------------------End of change 3-------------------------------------------

CHECK LIST

* Does this Change Request include an informative introduction containing the problem(s) being solved, and a summary list of proposals.?
* Does this CR contain changes related to only one particular issue/problem?
* Have any mirror CRs been posted?
* Does this Change Request make **all** the changes necessary to address the issue or problem? E.g. A change impacting 5 tables should not include a proposal to change only 3 tables?Does this Change Request follow the drafting rules?
* Are all pictures editable?
* Have you checked the spelling and grammar?
* Have you used change bars for all modifications?
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* Are multiple changes in this CR 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.?