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Signalling requirements and protocols for the NGN –
VoLTE/ViLTE network signalling

Protocol at interface between two distributed ENUM servers for IMS

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Recommendation ITU-T Q.3645

Protocol at interface between two distributed ENUM servers for IMS

Summary

This Recommendation defines protocol at the interface between two Distributed ENUM Servers (DES) of distributed ENUM system in support of IMS interconnection. Based on the functions and signalling requirements defined in [ITU-T Q.3643], this Recommendation provides the reference model, procedures, protocol, and message specification for the interface between two DES.

Keywords

Protocol; distributed; ENUM; IMS

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Protocol at interface between two distributed ENUM servers for IMS

1 Scope

This Recommendation provides protocol at the interface between two Distributed ENUM Servers (DES) of distributed ENUM networking in support of IMS interconnection. The functions and signalling requirements for this interface are contained in [ITU-T Q.3643].

Using the protocol specified in this Recommendation, the DES can

- initiate and response to a DES node management request, including the requests for adding a DES node to and remove a DES node from a distributed ENUM system;
- initiate and response to a DES ENUM data management request, including the requests for ENUM data records adding, ENUM data records modification, ENUM data records cancellation, etc.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

- | | |
|-----------------|--|
| [ITU-T Q.3643] | Recommendation ITU-T Q.3643 (2020-07), <i>Signalling architecture of distributed ENUM networking for IMS</i> |
| [IETF RFC 7230] | IETF RFC 7230 (2014-06), <i>Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing</i> |
| [IETF RFC 7231] | IETF RFC 7231 (2014-06), <i>Hypertext Transfer Protocol (HTTP/1.1): Semantics and Content</i> |
| [IETF RFC 7232] | IETF RFC 7232 (2014-06), <i>Hypertext Transfer Protocol (HTTP/1.1): Conditional Requests</i> |
| [IETF RFC 7235] | IETF RFC 7235(2014-06), <i>Hypertext Transfer Protocol (HTTP/1.1): Authentication</i> |
| [W3C SOAP] | <i>Simple Object Access Protocol</i> |

3 Definitions

3.1 Terms defined elsewhere

None.

3.2 Terms defined in this Recommendation

None.