ITU-T Study Group 17 has developed, jointly with ISO/IEC JTC 1/SC 6, the object identifier (OID) resolution system (ORS). This provides the return (using an ORS client) of information associated with an OID node. It uses a mapping of the OID tree naming scheme (using IRI values) onto the DNS naming scheme.

The attached draft ITU-T Recommendation | ISO/IEC International Standard specifies requirements on the management of DNS zone files that are mapped from ORS-supported OID nodes to provide (standardized) information related to an OID for a variety of applications, and on the behaviour of an ORS client that interacts with the DNS system to obtain that information and provide it to an application.

The ORS leverages the DNS as does the Object Name Service (ONS) developed by GS1 EPCglobal some years ago.

We welcome any comments you may have about how NAPTR resource records are used (see clause 6) as well as on the security considerations, or any other comments you may have with respect to interaction of this system with the DNS as specified in the attached draft standard. SG 17 wishes also to inform the IAB that this draft Recommendation ITU-T X.672 reached consent at the April 2010 meeting.

Attachment: 1

ITU-T X.672 (X.oid-res), Information technology – Open Systems Interconnection – Object identifier resolution system (ORS) (TD 0771 Rev.4)