

## Ecma International/DMTF Work Register Version 1.1

### Agreement

The agreement governs the modalities between [Ecma International](#) (Ecma), 114, rue du Rhône, Geneva, Switzerland, and the [Distributed Management Task Force](#) Inc. (DMTF), 1001 SW 5th Avenue, #1100, Portland, OR 97204, USA.

### Background

Ecma International TC38-TG4, formerly TC32-TG21, is engaged in standardizing the behaviour of network interface devices during times when the networked devices which they service are in a low-power state. In particular, the technical group specifies proxy behaviour in which the network interface makes decisions about what network traffic it should handle itself, and what traffic it should wake up the networked device to handle. The focus of the technical group is to determine which network protocols can and should be proxied in full or in part by network interface devices. Several DMTF member companies participate in this work.

### Alliance Partner Mission

The program of Ecma International TC38-TG4 is

1. To develop Standards and Technical Reports for network proxying; a proxy is an entity that maintains network presence for a sleeping higher-power ICT device.
2. To specify:
  - the protocols that network proxies must handle to maintain connectivity while hosts are asleep;
  - the proxy behavior including ignoring packets, generating packets and waking up host systems; and
  - the information exchanged between *hosts* and *proxies*.
3. To maintain their published work; and
4. To liaise and co-operate with other standards organizations.

## Alliance Benefits

For DMFT and Ecma International, advance visibility and feedback on proxy requirements is expected to:

- 1) facilitate practical implementation of proxies; and
- 2) increase manageability of proxy and host implementations.

## Standards Development

The work of TC38-TG4 and DMTF is complementary. The technical group specifies behaviour. DMTF traditionally models and specifies management of behaviour.

Management of proxy behaviour may include

- Control of proxy modes
- Protocols for exchanging information between network interfaces and networked devices
- Discovery of proxy capabilities
- Monitoring of proxy device health and performance
- Asynchronous notification of proxy-related events

The complementary nature of the work of the two organizations suggests that this work register falls under the heading of "delegated standards development" as defined in DMTF DSP4003. Under the umbrella of the alliance, TG4 will continue development of their specifications and DMTF will research, and perhaps model and specify management aspects of network proxying.

Any information TG4 provides is and remains Ecma International's; DMTF is only granted the right to review it for the purpose of providing TG4 – and only TG4 – feedback, (written or verbal) if they choose so.

For any feedback DMTF provides, DMTF grants Ecma International the irrevocable, non-exclusive right to use free of charge all or parts of such feedback for the purposes of standardisation under normal Ecma rules and, in case the implementation or use of the standards incorporating the feedback requires patents or any other kind of intellectual property rights owned by DMTF members, DMTF will list the individuals and companies which are providing such feedback along with their comments, and they will be directed at the TC38-TG4 Ecma External Contributions page at

[http://www.ecma-international.org/memento/register\\_proxzzzy.php](http://www.ecma-international.org/memento/register_proxzzzy.php). DMTF policies with respect to patents and other IP submitted to the DMTF are stated in the Member Rules of Conduct and Patent Policy at <http://www.dmtf.org/about/policies>.

Ecma International's intellectual property policy located at <http://www.ecma-international.org/memento/codeofconduct.htm> .

## Milestones / Dates

Not identified so far.

## **Work Register Review Date**

This work register will be reviewed one year from the date it is accepted by the DMTF and Ecma International, or when TG4 completes its work; whichever is sooner.

## **Duration**

This Agreement shall come into force on the Effective Date above and shall, subject to termination hereunder, remain in force for a period of two (2) years from the Effective Date. This Agreement may be terminated by either party upon thirty (30) days' written notice to the other party.

## **Resources Identified / Points of Contact:**

Ecma International TC38-TG4 representative:

- Bob Combs, Microsoft (Open-Proxy@ecma-international.org)

DMTF:

- Hemal Shah, Broadcom Corporation, (platform-sc-chair@dmf.org)

## **Corresponding ECMA Work Register Document**

ga-2010-066

Approved by the DMTF Board of Directors; Board Resolution 2010-06-05.