Service Monitoring Facility Design Document

Author(s): Andrea Perucca, INRIM Demetra Team

<table>
<thead>
<tr>
<th>Deliverable Number (sequential)</th>
<th>D13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deliverable Number (according to WP)</td>
<td>D7.1</td>
</tr>
<tr>
<td>WP Number</td>
<td>7</td>
</tr>
</tbody>
</table>

**Dissemination level**

- **PU** = Public
- **PP** = Restricted to other programme participants
- **RE** = Restricted to a group specified by the consortium
- **X** **CO** = Confidential, only for members of the consortium
1 PUBLIC ABSTRACT

This document contains the architectural design for the Service Monitoring Facility (SMF) as part of the DEMETRA Core Infrastructure.

The DEMETRA demonstrator will be based on architecture which on side will have the different timing services that will be demonstrated through their dedicated service infrastructure. The Service Monitoring Facility is conceived as an ensemble of instruments and tools to monitor and validate the performances of the different time services, at system level, during the test campaigns. Its role is the monitoring and so the validation of the quality of timing information, received by the user, through the evaluation of common Key Performance Indicators (KPI).