

EPC TSL Profile

Profile

MULTICERT_PJ.EPC_61_0001_en

Project Identification: EPC-TSL

Rating: Public

Version: 2.0

Date: 2014-07-01

Legal Advice Copyright © 2014 MULTICERT — Serviços de Certificação Electrónica, S.A. (MULTICERT)

All rights reserved: MULTICERT holds all intellectual property rights over this document or has been duly authorised to use them. Trademarks included in this document are used only to identify products and services and are subject to the respective legal rules. This document and all parts thereof, may not be copied, reproduced, stored, translated or transmitted to third parties by any means without the prior written consent of MULTICERT. The Client must also warrant that it will not use the know-how and the working methodologies of MULTICERT outside the scope of this project or to third parties

Confidentiality

Information data posted in all pages of this document, including organizational concepts, constitute financial or commercial secret information or are confidential and privileged and are owned by MULTICERT. They are given in trust to the Client with the condition of not being used or disclosed other than the scope of EPC and within the terms to be established, without the authorisation of MULTICERT. The Client may allow some collaborating parties, consultants and agents who require knowledge of this document to access to its content, but it shall undertake by all means to assure that the aforementioned persons and entities shall be obliged to the same terms of confidentiality as the Client.

The aforementioned restrictions shall not limit the right to use or disclose the information of this document by identifying the client in the EPC-TSL where they were obtained by another source and are not subject to any secrecy rule or if they were already disclosed by third parties.

Document Identification: MULTICERT_PJ.EPC_61_0001_en

Keywords: EPC TSL profile

Document Type: Profile

Title: EPC TSL Profile

Original Language: English

Language of Publication: English

Rating: Public

Date: 2014-07-01

Current Version: 2.0

Project Identification: EPC-TSL

Client: EPC

Version History

Version Number	Date	Details	Author(s)
1.0	2012-08-31	Initial version	MULTICERT
1.1	2014-06-19	Address and logo update	MULTICERT
2.0	2014-07-01	Approved version	MULTICERT

Related Documents

Document Identification	Details	Author(s)
-------------------------	---------	-----------

Executive Abstract

This document describes the profile applicable to the Trust-service Status Lists (TSL) supporting the EPC e-Operating Model.

The format and semantics of the TSL detailed in this document are in accordance with the recommendations of ETSI 102 231 and the requirements of the EPC e-Operating Model for SEPA e-Mandates.

Table of Contents

1	Introduction.....	5
1.1	Goals	5
1.2	Intended Readers	5
1.3	Document Structure	5
2	EPC TSL profile	6

I Introduction

I.1 Goals

This document refers to the TSL profile supporting the EPC e-Operating Model and describes its format and semantics.

I.2 Intended Readers

This document should be read by:

- EPC,
- Human resources assigned to any working group of the EPC TSL,
- Third parties in charge of auditing the EPC TSL,
- Relying parties processing the EPC TSL.

I.3 Document Structure

The first chapter details the TSL profile. The profiles include the mandatory and optional extensions, as specified in ETSI TS 102 231 (section 6.2) [1].

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119 [4].

2 EPC TSL profile

The following table defines the properties and values for each field in the TSL. The TSL structure presented is according to version 3.1.2 of ETSI TS 102 231, and the defined values follow the Detailed Specifications for TSLs for EPC Approved Certification Authorities (CAs) in support of SEPA e Mandate Services (EPC427-09) [2].

Field	Mandatory	Value	Comment
Information on TSL Issuing Scheme			
TSL Tag	Required	http://uri.etsi.org/02231/TSLTag	
TSL Version Identifier	Required	3	corresponding to ETSI TS 102 231 version 3.1.2
TSL Sequence Number	Required	1	incremented by 1 at each subsequent release of the TSL
TSL Type	Required	http://uri.etsi.org/TrstSvc/TSLtype/generic/EPC-ApprovedList	
Scheme Operator Name	Required	MULTICERT - Serviços de Certificação Electrónica S.A.	formal legal name of the TSL Scheme Operator
Scheme Operator Address	Required	Street Address: Lagoas Park, Edifício 3, Piso 3 Locality: Porto Salvo, Oeiras Postal Code: 2740-266 PORTO SALVO Country Name: Portugal Scheme Operator Email Address: epc-tsl@multicert.com	address of the TSL Scheme Operator
Scheme Name	Required	EPC Approved CA Services	
Scheme Information URI	Required	http://www.europeanpaymentscouncil.eu/content.cfm?page=trust_service_status_list	URI where users and relying parties can obtain information about the TSL
Status Determination Approach	Required	http://uri.etsi.org/TrstSvc/TSLType/StatusDetn/active	
TSL Policy/Legal Notice	Required	http://pki.multicert.com/epc-tsl/MULTICERT_PJ.EPC_24_0001_en.pdf	URL where this TSL policy can be downloaded
Historical Information Period	Required	3653	value in days, corresponding to ten years
List Issue Date and Time	Required	AAAA-MM-ddTHH:MM:ssZ	

Field	Mandatory	Value	Comment
Next Update	Required	AAAA-MM-ddTHH:MM:ssZ	No longer than List Issue Date and Time + 7 days
Distribution Point	Required	http://pki.multicert.com/epc-tsl/multicert-epc-eom-tsl.xml	
List of Trust Service Providers	Optional		Field absent if no CA services are or have been approved.
TSP Information			
TSP Name	Required		legal entity responsible for the CA services that are or were approved under this scheme
TSP Trade Name	Optional		alternative name under which the TSP identifies itself in the specific context of the provision of its services that are to be found in the TSL
TSP Address	Required	Street Address: Locality: Postal Code: Country Name: Scheme Operator Email Address:	address of the TSP
TSP Information URI	Required		URI(s) where users (e.g., relying parties) can obtain TSP-specific information
List of Services	Required		contains a sequence of the approved CA services and respective approval status
Service Information			
Service Type Identifier	Required	http://uri.etsi.org/TrstSvc/Svctype/CA/PKC	Certification Authority issuing public key certificates

Field	Mandatory	Value	Comment
Service Name	Required		name under which the TSP provides the CA service
Service Digital Identity	Required		relevant X.509v3 certificate being a representation of the public key(s) that the CA uses for providing the service
Service Current Status	Required	<p>Choose one of the following:</p> <ul style="list-style-type: none"> • http://uri.etsi.org/TrstSvc/Svcstatus/inaccord • http://uri.etsi.org/TrstSvc/Svcstatus/expired • http://uri.etsi.org/TrstSvc/Svcstatus/suspended • http://uri.etsi.org/TrstSvc/Svcstatus/revoked 	<ul style="list-style-type: none"> • <i>Accordance</i>: the service is approved according to the dedicated approval process • <i>Expired</i>: the service is no longer approved, e.g. due to non-renewal or withdrawal by the CA, or cessation of the service • <i>Suspended</i>: the service's status is temporarily uncertain whilst checks are made by the TSL Promoter (typically e.g. while a revocation request is being investigated or if action is required to resolve a deficiency in the service fulfilling the scheme approval criteria • <i>Revoked</i>: the service has been revoked because it is no longer in accordance with the approval scheme
Current Status Starting Date and Time	Required	AAAA-MM-ddTHH:MM:ssZ	the date and time on which the current approval status became effective
Service Supply Points	Required		URI(s) where relying parties can access the service

Field	Mandatory	Value	Comment
TSP Service Definition URI	Required		URI(s) where relying parties can obtain service-specific information provided by the CA
Service Approval History	Required		Field empty if the service has no history prior to the current status. For each change in Service Information / Service Current Status that occurred within the Information on TSL Issuing Scheme / Historical Information Period , information on the previous approval status shall be provided in descending order of status change date and time
Service Approval History			
Service Type Identifier	Required	http://uri.etsi.org/TrstSvc/Svctype/CA/PKC	Value used in Service Information / Service Type Identifier when this field represented the current status
Service Name	Required		Value used in Service Information / Service Name when this field represented the current status
Service Digital Identity	Required		Value used in Service Information / Service Digital Identity when this field represented the current status

Field	Mandatory	Value	Comment
Service Previous Status	Required	Choose one of the following: <ul style="list-style-type: none"> • http://uri.etsi.org/TrstSvc/Svcstatus/inaccord • http://uri.etsi.org/TrstSvc/Svcstatus/expired • http://uri.etsi.org/TrstSvc/Svcstatus/suspended • http://uri.etsi.org/TrstSvc/Svcstatus/revoked 	Value used in Service Information / Service Current Status when this field represented the current status
Previous Status Starting Date and Time	Required	AAAA-MM-ddTHH:MM:ssZ	Date and time on which the previous status in question became effective, with the format and meaning used in Service Information / Service Current Status Starting Date and Time
Signature			
Signed TSL	Required		Added by XMLDSig
Scheme Identification	Required		Added by XMLDSig
Signature Algorithm Identifier	Required		Added by XMLDSig
Signature Value	Required		Added by XMLDSig

Table I - TSL Profile

When applicable, the language chosen by default shall be EN.

Bibliography

ID	Document Number	Title	Issued by
[1]	EPC208-08	EPC e-Mandates e-Operating Model – Detailed Specification	EPC
[2]	EPC427-09	Detailed Specifications for TSLs for EPC Approved Certification Authorities in support of SEPA e-Mandate Services	EPC
[3]	TS 102 231	Provision of harmonized Trust-service status information, version 3.1.2	ETSI
[4]	RFC 2119	Key words for use in RFCs to Indicate Requirement Levels	IETF