

ANNEX 3: REQUIREMENTS

1. Functional Requirements

FUNCTIONAL REQUIREMENT ID	FUNCTIONAL REQUIREMENT NAME	FUNCTIONAL REQUIREMENT DESCRIPTION	FUNCTIONAL REQUIREMENT RELATED TEST	RELATED BUSINESS REQUIREMENT ID	RELATED BUSINESS REQUIREMENT NAME	RELATED BUSINESS REQUIREMENT DESCRIPTION
RDM_FUR_0001	Build Operations on the Reference Database	The Common Domain Central Services must build an Operations on the Reference Database message (i.e. IE734).		RDM_BUS_0003	Register reference data modifications in Central Reference Database	The Commission must register the reference data modifications in the Central Reference Database.
				RDM_BUS_0007	Compile modifications applied to Central Reference Database	The Commission must compile the reference data modifications applied to the Central Reference Database which are to be provided to the MSA upon request.
RDM_FUR_0002	Record Operations on the Reference Database	The Common Domain Central Services must record the Operations on the Reference Database message (i.e. IE734)		RDM_BUS_0003	Register reference data modifications in Central Reference Database	The Commission must register the reference data modifications in the Central Reference Database.
				RDM_BUS_0007	Compile modifications applied to Central Reference Database	The Commission must compile the reference data modifications applied to the Central Reference Database which are to be provided to the MSA upon request.
RDM_FUR_0003	Notify MSA Central Services of Operations on the Reference Database	The Common Domain Central Services must notify the MSA Central Services of Operations on the Reference Database (i.e. IE734)		RDM_BUS_0004	Notify MSA of reference data modifications	The Commission must notify the MSAs of the reference data modifications registered in the Central Reference Database.
				RDM_BUS_0008	Provide MSA with modifications applied to Central Reference Database	The Commission must provide the MSA with the requested reference data modifications applied to the Central Reference Database.
RDM_FUR_0004	Build External List of Codes	The MSA Central Services application must build an External List of Codes message (i.e. IE733)		RDM_BUS_0010	Prepare requested list of codes	The Commission must prepare the external list of codes requested by the Economic Operator.

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RDM_FUR_0005	Record External List of Codes	The MSA Central Services application must record the External List of Codes message (i.e. IE733)		RDM_BUS_0010	Prepare requested list of codes	The Commission must prepare the external list of codes requested by the Economic Operator.
RDM_FUR_0006	Notify Economic Operator on the External List of Codes	The MSA Central Services application must notify the Economic Operator of External List of Codes message (i.e. IE733)		RDM_BUS_0011	Return the requested external list of codes	The Commission must return the external list of codes, containing the the up-to-date reference data, requested by the Economic Operator.
RDM_FUR_0007	Identify whether there are any MSAs that are registered to receive dissemination of operations to the reference database	The Common Domain Central Services must identify whether there are any MSAs that are registered to receive disseminations on the Operations to the Reference database (IE734).		RDM_BUS_0004	Notify MSA of reference data modifications	The Commission must notify the MSAs of the reference data modifications registered in the Central Reference Database.
RDM_FUR_0008	Register modifications to the reference database	The modifications must register to the reference data		RDM_BUS_0002	Incorporate reference data modifications into Central Reference Database	The Commission must incorporate the reference data modifications into the Central Reference Database to ensure that this database is up-to-date.
RDM_FUR_0009	Reference data modifications have to be recorded in the Central Reference Database	SEED must record the Reference data modifications in the Central Reference Database		RDM_BUS_0002	Incorporate reference data modifications into Central Reference Database	The Commission must incorporate the reference data modifications into the Central Reference Database to ensure that this database is up-to-date.

Table 1: Functional Requirements

2. Non-Functional Requirements

2.1. Availability Requirements

Requirement ID	Requirement Name	Requirement Description	Related Test
EMCS_AVA_007	Provided Availability	<p>The availability requirements are the following:</p> <p>Uptime Service Availability: 99,4%</p> <p>Unplanned Downtime: 13h (max), RPO ≤ 1h</p> <p>Disaster Recovery: Max RTO<1w, RPO ≤ 1d</p> <p>(where RPO=Recovery Point Objective, RTO=Recovery Time Objective)</p>	

Table 2: Availability Requirements

2.2. Consultation of public reference data by economic operators

Requirement ID	Requirement Name	Requirement Description	Related Test
EMCS_AVA_007	Provided Availability	<p>The availability requirements are the following:</p> <p>Uptime Service Availability: 99,4%</p> <p>Unplanned Downtime: 13h (max), RPO ≤ 1h</p> <p>Disaster Recovery: Max RTO<1w, RPO ≤ 1d</p> <p>(where RPO=Recovery Point Objective, RTO=Recovery Time Objective)</p>	
EMCS_PERF_022	Asynchronous (for Place 'Economic Operator')	<p>Asynchronous: the function does not require immediate return; acknowledgement and results are accepted to come back after a short delay, and be consulted afterwards</p> <p>Requirements: a few minutes</p> <p>Average Response Time: 15 minutes</p> <p>Maximum Response Time: 2 hours</p>	

Table 3: Consultation of public reference data by economic operators

2.3. Consultation of reference data by MSA central services

REQUIREMENT ID	REQUIREMENT NAME	REQUIREMENT DESCRIPTION	RELATED TEST
EMCS_AVA_007	Provided Availability	The availability requirements are the following: Uptime Service Availability: 99,4% Unplanned Downtime: 13h (max), RPO□1h Disaster Recovery: Max RTO<1w, RPO□1d (where RPO=Recovery Point Objective, RTO=Recovery Time Objective)	
EMCS_PERF_021	Asynchronous (for Place 'MSA')	Asynchronous: the function does not require immediate return; acknowledgement and results are accepted to come back after a short delay, and be consulted afterwards Requirements: a few minutes Average Response Time: 15 minutes Maximum Response Time: 2 hours	

Table 4: Consultation of reference data by MSA central services

2.4. Maintenance and dissemination of reference data other than the EOL

REQUIREMENT ID	REQUIREMENT NAME	REQUIREMENT DESCRIPTION	RELATED TEST
EMCS_AVA_007	Provided Availability	The availability requirements are the following: Uptime Service Availability: 99,4% Unplanned Downtime: 13h (max), RPO□1h Disaster Recovery: Max RTO<1w, RPO□1d (where RPO=Recovery Point Objective, RTO=Recovery Time Objective)	

Table 5: Maintenance and dissemination of reference data other than the EOL

