



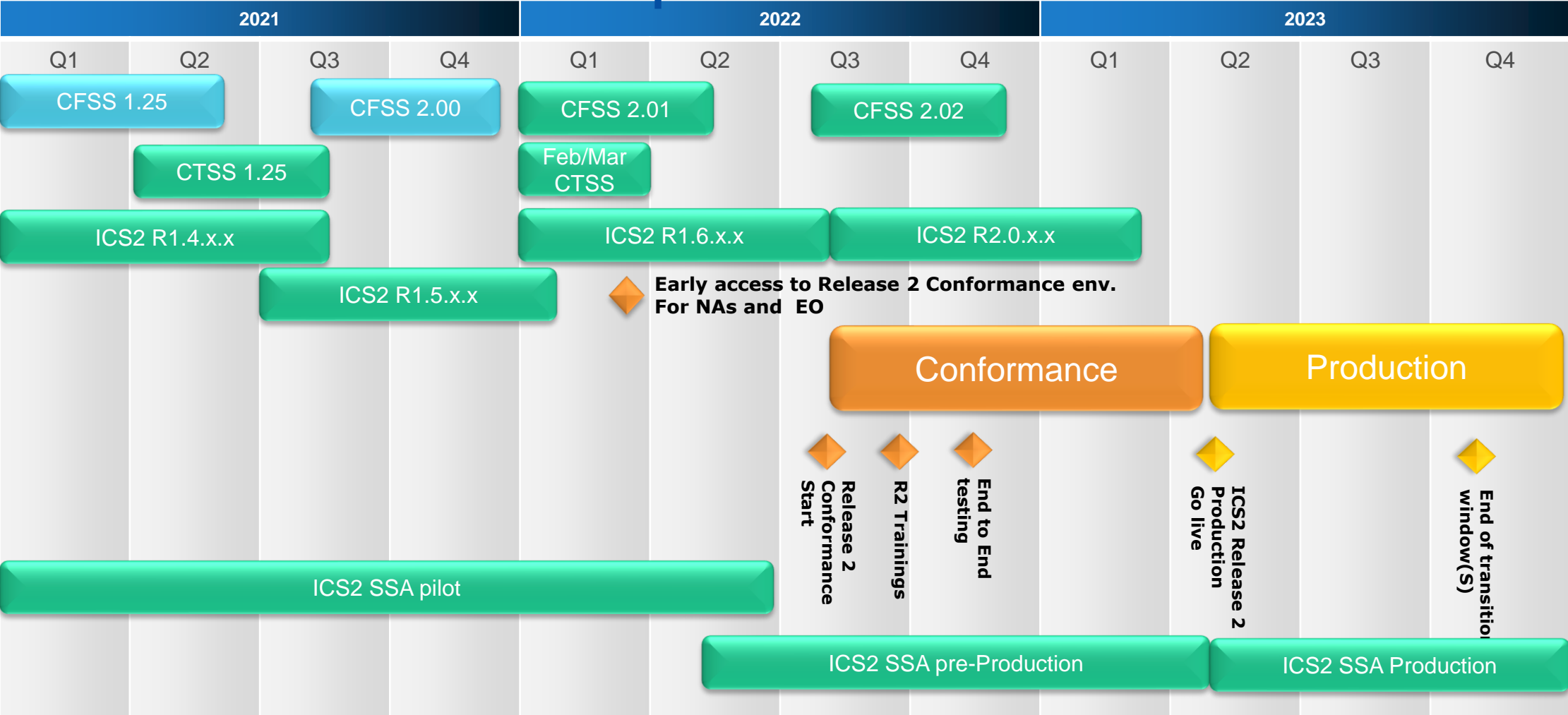
Item 2 – Update on the delivering ICS2 Release 2

Trans-European Coordination meeting for ICS2

2 June 2022

TAXUD B3 Bzdela Bartlomiej

Release 2 roadmap



ICS2 v1.5.x.x

- ICS2 release ICS2 STI 1.5.0.2 + ICS2 CR 1.5.0.0 +1.5.1.0 + ICS2 MON 1.5.1.0 + 1.5.1.1 is PROD as of 12th May
- Release 1.5.0.0 is aligned with CFSS 1.25 and October CTSS.
- ICS2 1.5.x.x includes XI related change - sharing ENS data with UK if postal code pointing Northern Ireland will be enabled when UK will succeed in related CT tests
- The 1.5.x.x implements nearly all testing processes and can be used by EO and MS to do some initial testing in the TAXUD Conformance environment

ICS2 1.5.x.x

The primary scope of this iteration covers the delivery of **almost ICS2 R2 system** required for Conformance testing

- For R2, **all ENS filings in scope of R2 are supported**. Register/ Amend/ Invalidate filing; Prepare & and perform risk analysis; Query/Relate ENSfilings; “Send referral”; “e-Screening by OMS”; “Update risk analysis result”; Update e-Screening assessment”.
- **Shared Trader Portal (STP) use cases implementation:** “Create ENS Filing”, “Manage Submissions from STI STP”, “View List of Submissions”, “View message”, “View Submission”, “Search messages”, “Search messages” (for ENS filings F4x), “Conformance Campaign self-testing tools, ”Register CONF Test Campaign” , “Consult CONF Test Campaign”
- **MON full alignment** with R2 processes; These new screens will allow MS/EC users to support EOs CT progress and configuration for EO Conformance Campaign progress

Release v1.6.x.x

The primary objective of this iteration is to **deliver the complete ICS2 R2 system ready for CT testing** :

- **Implementation of latest CFSS v2.01/CTSS February [and KELs](#)**
- Outstanding R2 processes: "Process arrival of means of transport", "Process presentation of goods", "Process control decision and results", "Handle AEO notification", "Revoke presentation of goods", "Consult ENS"
- CR User Interface adapted to Release 2 CFSS 2.0.1
- **Shared Trader Interface (STI-STP) updates:** submit ENS Filing amendments, Submit ENS Filing invalidation, Manage Notifications, Manage Task Related Notifications, Manage submissions and **automation for EO CT testing.**

(CR & SSA Integration is scope only for R2.0.0.0)

Release v2.0.x.x

- Deployment in Conformance environment in November

The primary objective of this iteration is to **deliver SSA/CR integration** :

- **Implementation CR/SSA interfaces**
- Minor changes related to CFSS 2.0.0.2 included in [March CTSS](#) version
- Minor Technical improvements of STP/MON

ICS2 Specification baseline

	ICS2 1.4.0.0 ICS2 1.5.0.0		ICS2 1.6.x.x		ICS2 2.0.0.0	
	1.15 / R1	1.25 / R2	1.16 / R1	2.01 / R2	1.16 / R1	2.01 / R2
CFSS						
ICS2 Main	1.14	1.25	1.14	2.00	1.14	2.00
ICS2 Definitions	1.10	1.10	1.10	1.10	1.10	1.10
ICS2 BPM L3.5 Process Description	1.10	1.23	1.11	2.00	1.11	2.00
ICS2 BPM L4 Process Description	1.14	1.24	1.15	2.00	1.15	2.00
ICS2 Rules and Conditions	1.12	1.24	1.13	2.00	1.13	2.00
ICS2 Code Lists	1.13	1.25	1.14	2.00	1.14	2.00
ICS2 Business Statistics	1.10	1.23	1.11	1.23	1.11	1.23
ICS2 Conceptual Data Model	0.19	0.22	0.19	0.31	0.19	0.31
ICS2 IE Specifications	1.14	1.25	1.16	2.01	1.16	2.01
Business Rules Dictionary	1.1.11	1.2.5	1.1.13	2.0.0	1.1.13	2.0.2
Security Plan	3.10		3.30		3.40	
KEL - Known Error List	0.10		0.13		0.14	
Volumetrics	1.15		1.15		1.15	
CTSS (output)						
DDNA	4.00		4.20			
ICD	2.90		3.30			
Blueprint	2.40		2.40			
SSD & TSC packages	Sep-21		Jan-22			
Other documents (output)						
CTS MS	3.40	1.50	3.40	1.90		
CTS EO	1.70	1.80	1.70	2.00		

New CTSS coming to integrate

- KELs impacting EO interface KEL
- KELs impacting the NA interface
- And additional enrichments messages

KEL v0.14 entries impacting NES

ID	Date	Impacted artefact			Identified error		Solution	Impact			Planned IT implementation		Implemented in artefact	
		Title	Date	Version	Message/R&C/BR	Description		SD	MS	Trade	Date	Release	Date	Version
200	2022-01-14	5. ICS2-CFSS-IE (2021-12-22)-v2.01	2021-12-22	2.01	IE4N14 XSD	The format of the MRN in IE4N14 is not properly defined in the XSD.	IE4N14 IE4N14/ENS State/MRN The below definition to be added in the XSD. <xs:element name="MRN"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="18"/> <xs:pattern value="{18}"/> </xs:restriction> </xs:simpleType> </xs:element>	Y	Y			2 and 3		2.02
201	2022-02-01	ICS2 - Business Rules Dictionary - v2.0.1	2022-02-16	2.0.1	T-05-08-BR02 Send IE4N14 ICS2 - IE4N14mapping - 2021-07-30	In case the full risk analysis is not completed when the ENS is presented, then the MS of Presentation should receive the information that the full risk analysis is initiated in IE4N14.	T-05-08-BR02 Send IE4N14 The following text to be added - "In case the full risk analysis is not complete for the presented ENS, then the state of the full risk analysis entity is communicated to the MS of Presentation as per "ICS2 - IE4N14mapping" ". ICS2 - IE4N14mapping - 2021-07-30 For "T-05-08-BR02": ENS state/ENS event / Type - T-03-15 Request e-risk analysis OR T-03-14 Stop timer for completion of risk analysis (from CL722) ENS state/ENS event / Time - ENS/FullRA/Document issue date OR Date and time when the timer was stopped ENS state/ENS event / Competent office / customs office of first entry - ENS/COFE ENS state/ENS Entity/Type - FRA Full risk analysis (from CL720) ENS state/ENS Entity/Identification - FullRA/Risk analysis request reference ENS state/ENS Entity/State - 22 Initiated OR 23 Timer stopped (from CL743)	Y	Y			2 and 3		2.0.2
205	2022-02-15	5. ICS2-CFSS-IE (2021-12-22)-v2.01	2021-12-22	2.01	IE3R04	There is a discrepancy of the length of the LRN data element in the XSD and the Excel/RTF.	IE3R04/LRN to be modified from an..35 to an..22 in the XSD.	Y	Y	Y		2 and 3		2.02
206	2022-02-15	ICS2 - Business Rules Dictionary - v2.0.1	2022-02-16	2.0.1	T-05-08-BR02 Send IE4N14 ICS2 - IE4N14mapping - 2021-07-30	In case no house consignment can be found related to the arrived/presented ENS, then this should be communicated via IE4N14 to the NES.	T-05-08-BR02 Send IE4N14 The following sentence to be added "In case no house consignments can be identified related to the indicated ENS (MRN) for arrival or presentation, then IE4N14 contains "Not found" for the ENS Entity/Type "CHL" for the particular MRN." ICS2 - IE4N14mapping - 2021-07-30 For "T-04-11-BR012": ENS state/ENS Entity/Type - CHL (from CL720) ENS state/ENS Entity/Identification - Not found ENS state/ENS Entity/State - 19 (from CL743) For "T-05-08-BR02": ENS state/ENS Entity/Type - CHL (from CL720) ENS state/ENS Entity/Identification - Not found ENS state/ENS Entity/State - 21 (from CL743)	Y	Y					2.0.2

KEL v0.14 entries impacting NES

ID	Date	Impacted artefact			Identified error		Solution	Impact			Planned IT implementation		Implemented in artefact		
		Title	Date	Version	Message/R&C/BR	Description		SD	MS	Trade	Date	Release	Date	Version	
218	2022-03-21	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	IE4N14	The currently envisaged cardinality of "ENS State/ENS Event/ENS Entity" is 1..9999 which is not sufficient to correspond to the maximum number of house consignments in the ENS.	IE4N14 "ENS State/ENS Event/ENS Entity" cardinality to be modified from 1..9999 to 1..999999.	Y	Y				2 and 3		2.02
230	2022-05-13	ICS2 - Business Rules Dictionary - v2.0.1	2022-02-16	2.0.1	IE4N14mapping - 2022-04-106	It should be possible to map directly which IE4N14 to which Arrival notification or Presentation information is related.	ICS2 - IE4N14mapping - 2022-04-06 Functional reference value to be adapted: T-04-11-BR01 IE4N07/MRN T-05-08-BR02 IE4N10/Functional reference	Y	Y				2 and 3		2.0.2
231	2022-05-24	5. ICS2-CFSS-IE-(2022-05-04)-v2.02	2022-05-04	2.02	IE4R05 Excel and RTF output	The "Message element path" of the Pointer in the referrals classes in IE4R05 is missing from the RTF and the Excel output. The XSD output is correct.	IE4R05 Related PLACI/Previous air pre-loading risk analysis/Referral request details/Pointer "Message element path" to be added as M in the class. Related PLACI/Air pre-loading risk analysis/Referral request details/Pointer "Message element path" to be added as M in the class. Related ENS/Previous full risk analysis/Referral request details/Pointer "Message element path" to be added as M in the class. Related ENS/Full risk analysis/Referral request details/Pointer "Message element path" to be added as M in the class.	Y	Y				2 and 3		2.03

KEL v0.14 entries impacting EO's

ID	Date	Impacted artefact			Identified error		Solution	Impact			Planned IT implementation		Implemented in artefact	
		Title	Date	Version	Message/R&C/BR	Description		SD	MS	Trade	Date	Release	Date	Version
204	2022-02-15	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	R3023 in IExx10, IExx11, IExx12, IExx13, IExx14, IExx15, IExx16, IExx17, IExx20, IExx21, IExx22, IExx23, IExx24, IExx26, IExx27, IExx28, IExx29, IExx30, IExx31, IExx32, IExx33, IExx34, IExx43, IExx50, IExx51	R3023 to be removed from all ENS filing types.	R3023 to be removed from these data classes - "Additional information", "Additional supply chain actor", "Passive border transport means", "Supporting documents", "Transport equipment" - in the listed ENS filing types.	Y		Y			2 and 3	2.02
205	2022-02-15	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	IE3R04	There is a discrepancy of the length of the LRN data element in the XSD and the Excel/RTF.	IE3R04/LRN to be modified from an..35 to an..22 in the XSD.	Y	Y	Y			2 and 3	2.02
215	2022-03-21	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	IExx30, IExx32	The multiplicity of the "Goods item" is not sufficient for the economic operators. It should be increased.	IExx30, IExx32 "Consignment (Master level)/Consignment (House level)/Goods item" from 1..99 to 1..9999.	Y		Y			2 and 3	2.02
216	2022-03-21	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	IExx34	The multiplicity of the "Goods item" is not sufficient for the economic operators. It should be increased.	IExx34 "Consignment (Master level)/Consignment (House level)/Goods item" from 1..99 to 1..9999.	Y		Y			3	2.02
219	2022-03-23	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	IE3Fxx IE4Fxx IE3Axx IE4Axx	R3001 to be removed from all ENS filings.	R3001 to be removed from "Additional information" in all ENS filings.	Y		Y			2 and 3	2.02
220	2022-03-23	6. ICS2-CFSS-R&C-(2021-07-30)-v2.00	2021-07-30	2.00	R3001	The rule R3001 to be removed.	R3001 "When 'ADDITIONAL INFORMATION' class is used, either 'ADDITIONAL INFORMATION/Code' or 'ADDITIONAL INFORMATION/Text' has to be used." to be removed.	Y		Y			2 and 3	2.02
226	2022-04-07	5. ICS2-CFSS-IE-(2021-12-22)-v2.01	2021-12-22	2.01	IE3R01 IE4R01	The Specific circumstance indicator needs to be included in the ENS Registration response to the EO.	The data element "Specific circumstance indicator" an3 CL742 to be added to the ENS Registration response message as 1..1 M.	Y		Y			2 and 3	2.02

ICS2 Safety and Security Analytics

- **Security and Safety Analytics** component in ICS2 suite (CR integration)
- An analytics toolbox **to identify risks** while goods are moving through the supply chain (“assess in advance, control when and where required”)
- SSA consists of:
 - Data Lab** to create data models (Enrichment Catalogue)
 - Data Factory** to provide “real time processing”
 - SSA Portal** for users' access
- Key milestones:
 - Pre-PROD – June 2022
 - PROD – Go-live – March 2023
 - Current status (May 2022)

Additional testing for (late) enrichment msg.

- The CR extension for SSA integration will require the **update of CTSS**
- This new CR interface with NES system will have to be tested
- Test will be done in CT environment, **test plans will be shared during summer**
- IE4E04, IE4Q01, IE4Q02, IES02
- Test will be ready for execution by end of September

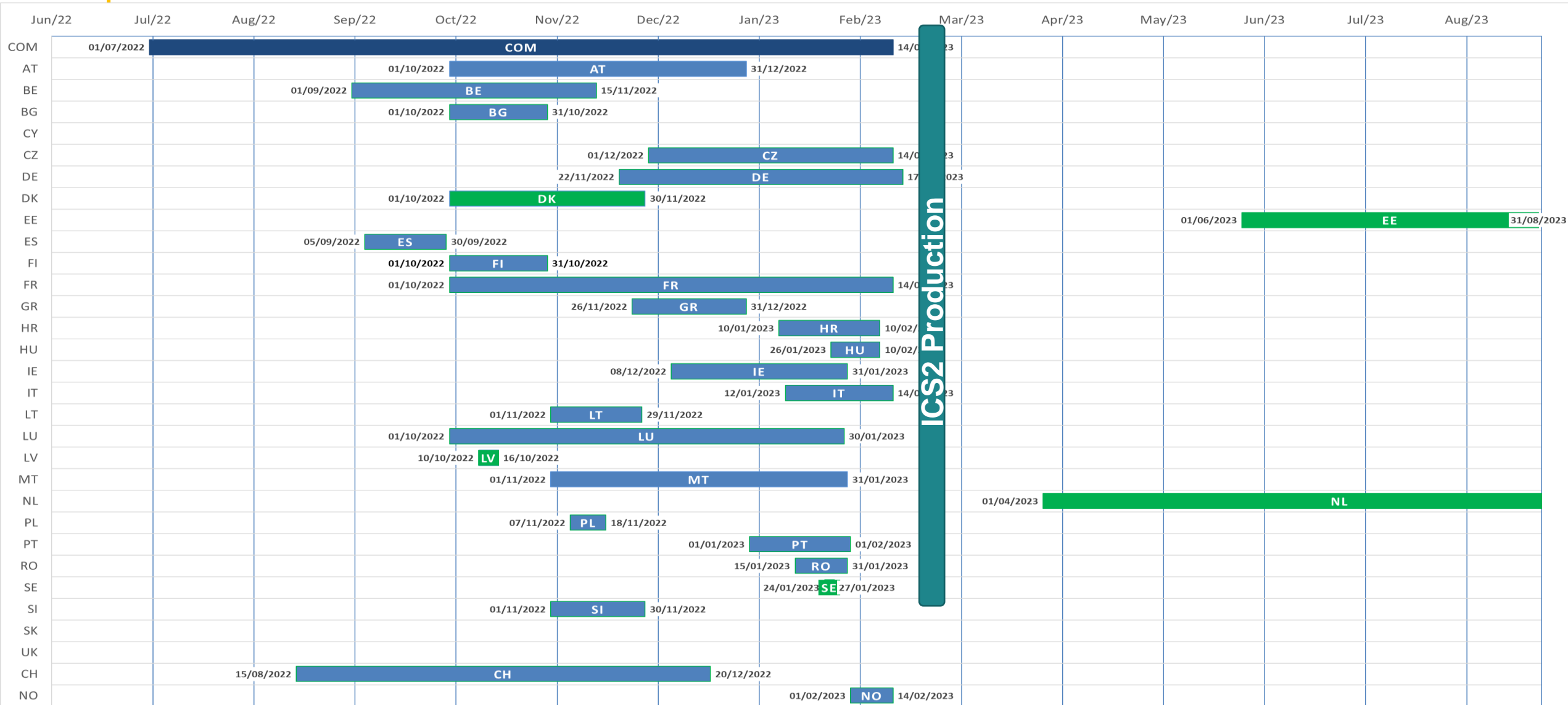
ICS2 Release 2 Conformance readiness

- ✓ NA/EO Conformance Test organization documents **CTOD** and EO/NA test specification – delivered (PICS and CIRCA up to date)
- ✓ ICS2 1.6.x.x software delivery
- ↻ 1.6.x.x. Deployment in Conformance scheduled for mid June
- 🕒 Some NAs did not finish the UUM&DS CT testing (FR, IE, LV, SK, SE), and others didn't start yet (CY, HU, NL, ES)
The EOs from those countries are unable to start ICS2 R2 CT testing!!!
- National Project Plan – the information is not sufficient
- ✓ CT related Training materials produced; training session ongoing

CT Planning

- CT planning for national campaign and for EO is collected by national project teams/ CSD
- Information shared so far is not sufficient to plan specific times slots for Conformance testing and to ensure required capacity for EO testing
- All 30 NA were requested to share the specific CT planning: by end of May only 5 NA shared planning
- The ITSM TES will keep sending systematic request concerning the MS planning
- In order to book as specific time slot NA needs to send specific planning at least 4 weeks in advance of testing

MS Planned Timeframe for Conformance



CT EO Planning

- National project teams and/or CSD collects also planning for EO CT testing
- Following the business enquiries there are potential few hundreds EOs and IT servicer supplier who are subject of Release 2 business scope
- So far we have received information about less than 50 EOs
- 10 countries didn't provided any information concerning EO CT campaigns
- Majority of the NAs provided information only about current (Release 1) EOs – namely the postal operators and Express, but no information about Air Carriers of Freight forwarders

CT Planning – July- September

- EOs ICS2 R2 Self Conformance Testing

[NA COUNTRY CODE]	[EO TYPE]	[EO NAME]	Start date	End date
NA-BE	EXPRESS CARRIERS	Fedex	4/7/2022	2/9/2022
NA-DE	AIR CARRIERS	Lufthansa Cargo	1/7/2022	31/3/2023
NA-DK	FREIGHT FORWARDERS	Emma Systems DK37018562 (Norwegian software provider planning to acquire DK EORI Number to expand to Danish customers)	22/8/2022	25/8/2022
NA-FI	AIR CARRIERS	ASR Europe Oy (ASR Cargo-Center), functioning as a Cargo Handling Agent on behalf of our airline customers	1/7/2022	31/7/2022
NA-LT	FREIGHT FORWARDERS	UAB "TREVI0" EORI - LT305433599 (software developer)	15/9/2022	30/10/2022

- MS ICS2 R2 Conformance Testing

MSs	Start date	End date
NA-BE	1/9/2022	15/11/2022
NA-ES	5/9/2022	30/9/2022
NA-CH	15/8/2022	20/12/2022

National Service Desk support to EOs

The role of NSD/NPT supporting the EOs in the self-Conformance is essential.

- Providing training material and presentation of Business requirements;
- Sharing and supporting technical and functional procedures to get connected
- Supporting issues with certificates used for the authorization and authentication of the Senders (e.g. certificate has been expired, invalid signature etc.);
- Supporting EO while Technical errors while using the AS4 protocol (connection problems, incorrect AS4 headers, etc.);

Where do I find documentation

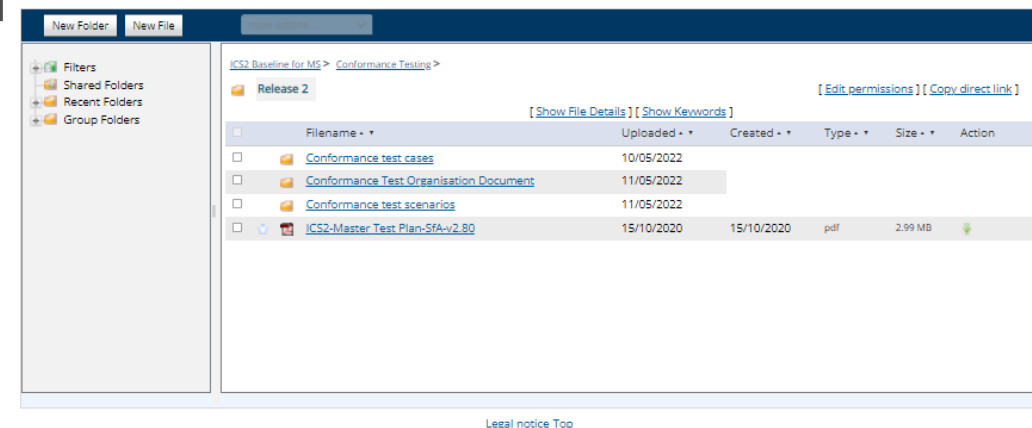
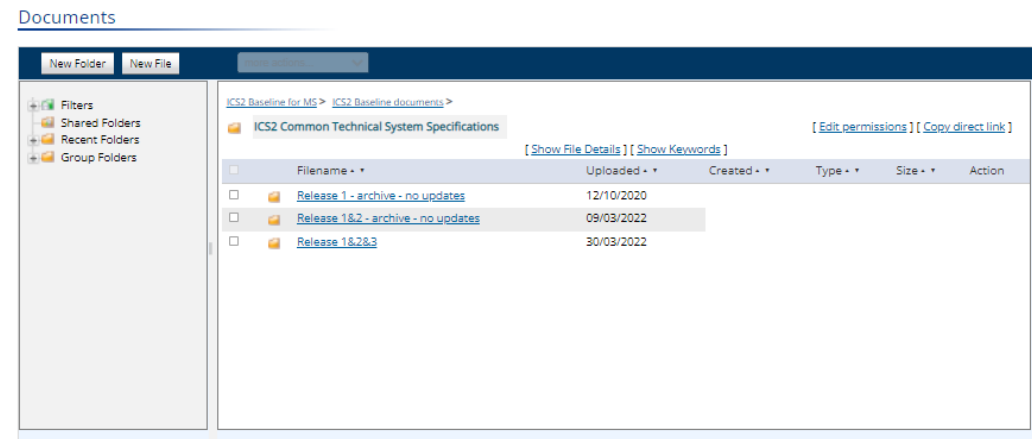
- All official review cycles follow the ECCG process – only major version are subject of formal review
- All documentation is stored in PICS MS TCG R1, TCG R2, TCG R3 (all subscribers receives the notification when new version are downloaded)
- EO related documentation is also published in [Europa.eu](#) FAQ section

ICS2 project documentation

All necessary technical documentation for the update of the EOs IT systems is found on CIRCABC, a collaborative platform, which offers an easy distribution and management of documents.

- CIRCABC groups ICS2 [release 1](#)
- CIRCABC groups ICS2 [release 2](#)
- CIRCABC groups ICS2 [release 3](#)

The ICS2 folders on CIRCABC are publicly available. Please click on the button 'Library' at the upper-right corner of the screen. Joining the interest group is not necessary in order to access the ICS2 documentation.





Thank you

ICS2 page on Europa website:

https://ec.europa.eu/taxation_customs/general-information-customs/customs-security/ics2_en

TAXUD ICS2 functional mailbox:

TAXUD-ICS2-PROJECT-TEAM@ec.europa.eu

ICS2 for Member States PICS group:

<https://webgate.ec.europa.eu/pics/group/20607>

ICS2 Release 2 for Air:

<https://webgate.ec.europa.eu/pics/group/26046>