

Functioning of the EU portal and the database

7th Nordic Conference on clinical trials- 18th November

Presented by:

Ana Rodriguez, Head Clinical and Non-clinical Compliance

Contents



- Implementation of the CT Regulation: EMA role
- New Delivery Model
- Clinical Trials Information System
 - Actors
 - Business context view
 - User Management hierarchy
 - Sponsor Workspace
 - MS Workspace
- Training of the CTIS User Community
- Summary and status- highlights

Implementation of the CT Regulation EU 537/2014: EMA Role



EU PORTAL AND DATABASE

rt. 80, 81, 2 and 84)

- Single EU entry point for clinical trial applications (e-dossier)
- Enables supervision at EU level, including inspections
- Provides workspace collaboration tools, capabilities for coordinated assessment between Member State Concerned
- One single decision per Member State Concerned
- Provides publicly available information

SAFETY
REPORTING

O

rt. 40 to 44)

- Upgrade of EudraVigilance clinical trial module for the electronic reporting of SUSARs
- Delivers an Annual safety reports (ASRs) repository

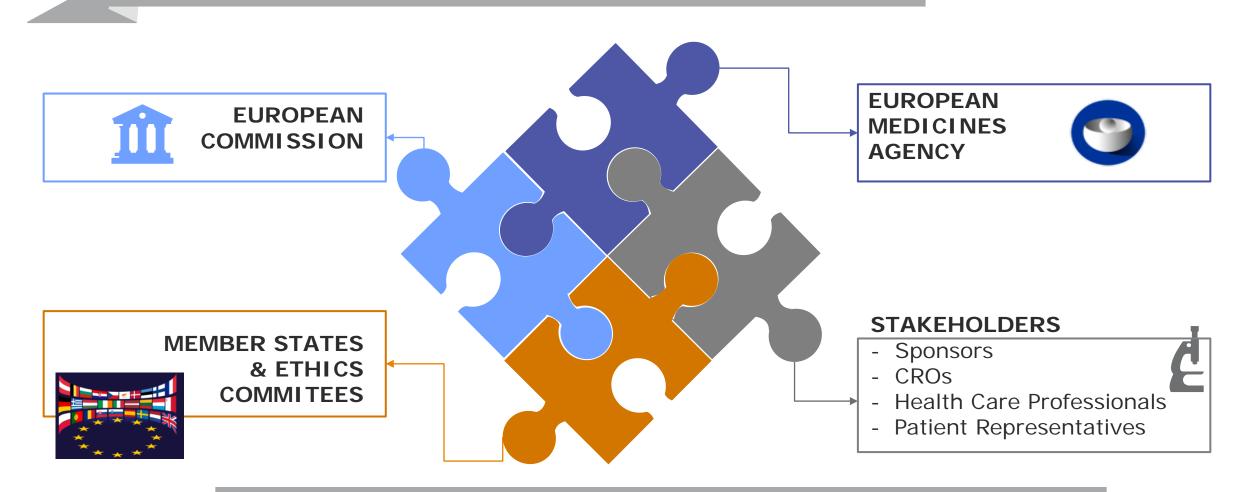
EUDRACT LEGACY (Art. 98)

Delivers transition between the current and new systems

Collaborative working



The EMA is working collaboratively

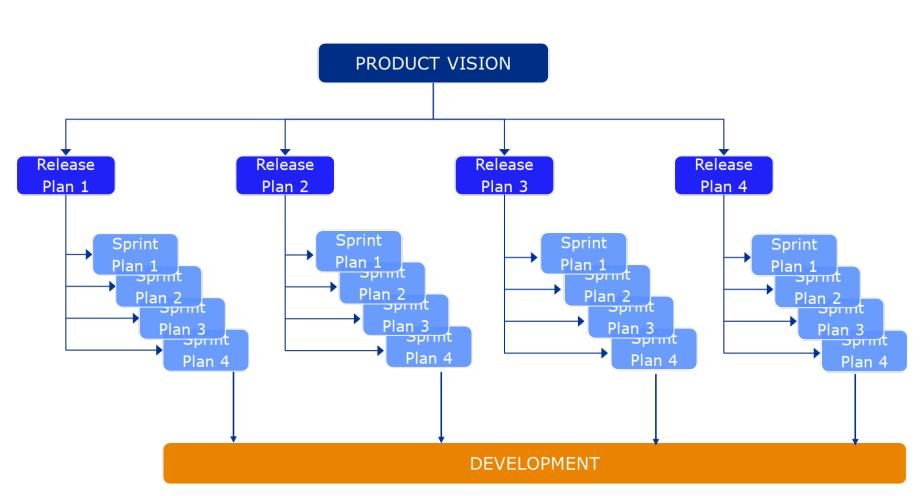


systems developed to implement the regulation

New Delivery Model – Approach



The new delivery model takes a top-down approach for the definition, planning and development of the requirements.



The **Product Vision** is the document setting-up the key objectives for the following release planning cycle (yearly)

The **Release Plan** describes the specific goals of each release, the functionalities to be addressed and the KPIs (quarterly)

The **Sprint Plan** gathers the relevant requirements from the backlog and organises them in different Sprints (regularly)

Decision making level



Strategic







will be used as the tool for documenting all phases of the delivery model

New Delivery Model- Product Vision Milestones



Sets the direction for CTIS system and its delivery over time focusing on the milestones:

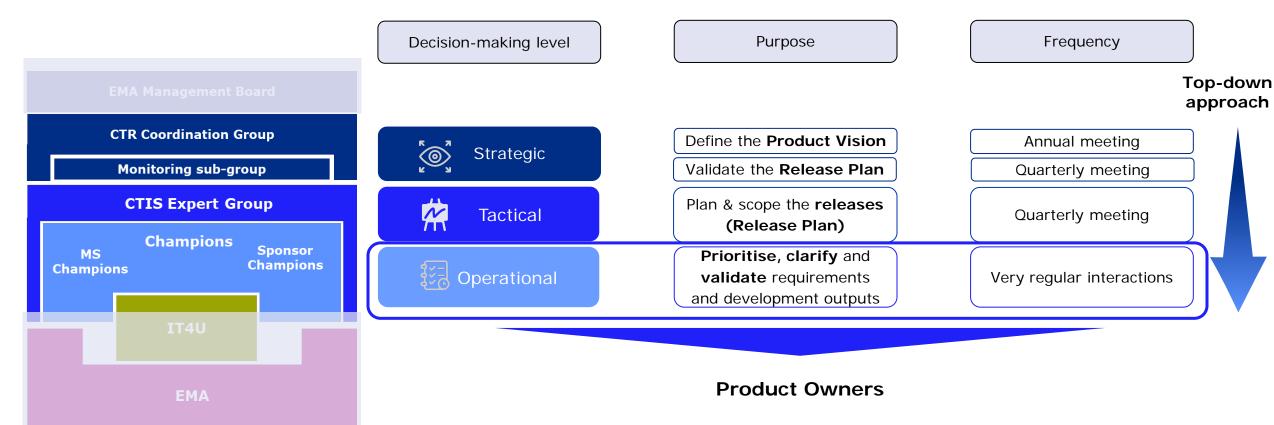
Milestone	Scope
Milestone 1: Audit	Good enough state Fit to provide the defined functionality (functional specifications/CT Regulation) Support day to day oversight Support access by the general public (disclosure rules)
Milestone 2: Go-Live	Fully combine the safety reporting module & EU portal/EU database components Deliver enhanced functionalities for sponsors and MS focusing on oversight, cooperation and MS supervision
Milestone 3: After Go-Live	Deliver enhanced features to the public register of clinical trials Improve MS cooperation Improve interoperability (API, integration with SPOR)

Provides confidence in the development of features allocated to future releases beyond the audit or Go-Live.

New Delivery Model- CTIS Governance



Business users will participate along three levels of decision-making: Strategic, Tactical and Operational



The Product Owners are business users highly involved in all phases of the Delivery Model. They provide **direct input** regarding existing and expected CTIS functionality, consolidating the Expert Group' opinions. They are the **main source for business requirements** and participate in all business validation sessions.

Submit application (CTA dossier)

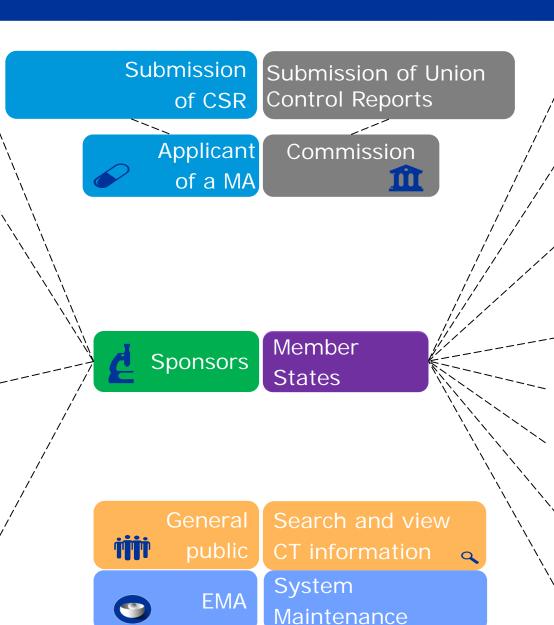
/ Address request for
information

Update of Clinical Trial information (re non substantial modifications)

Submit notifications:

- Start of trial
- First visit first subject
- End of recruitment
- End of trial (in each MS, All MS, Global)
- Temporary halt & restart
- Serious Breach, Unexpected event, urgent safety measure
- Inspection from third country inspectorate

Submission of clinical study result (summary and lay person summary)



Notification of willingness to be RMS (part I) / Decision on RMS

Submission of requests for information

Notification of the final validation (initial, additional MS or Substantial Modification)

Submission final conclusion to Part I and Part II

Final single decision notification

Submission Inspection Information

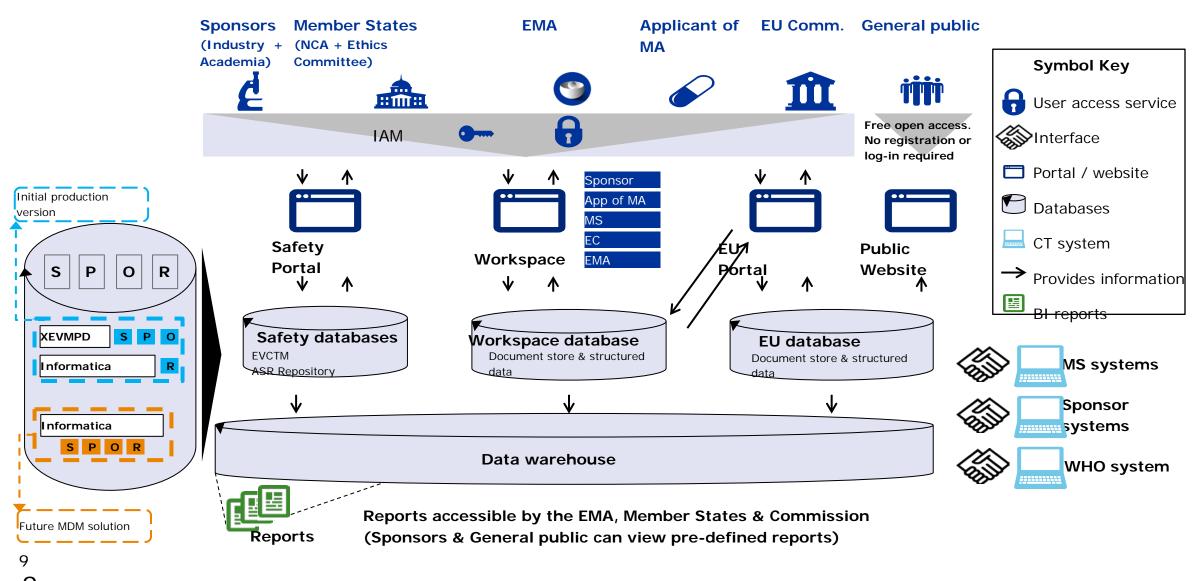
Communication disagreement to part 1 assessment

Communication on implementation of corrective measures

CTIS- business context view



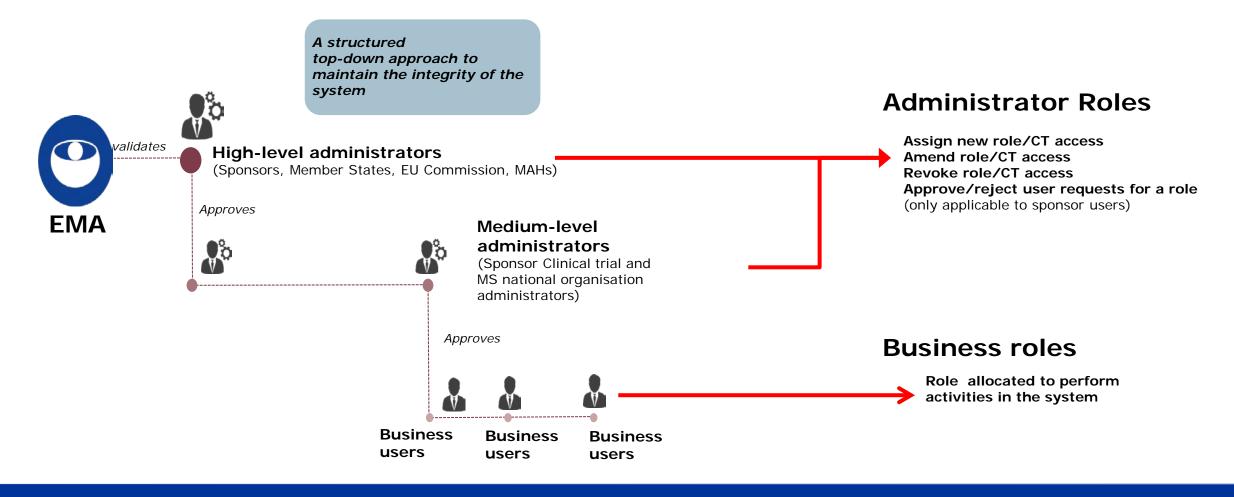
This diagram depicts the To-Be system architecture for the clinical trial systems:



CTIS - User management hierarchy



- All users must self-registered in the EMA IAM (Identity and Access Management) system before they can
 access the EU Portal & EU Database.
- EMA will validate high level user administrators nominated by the sponsor (sponsor administrator), MS (MS administrator), European Commission (EC administrator) and applicant of a Marketing Authorization (MAH administrator)

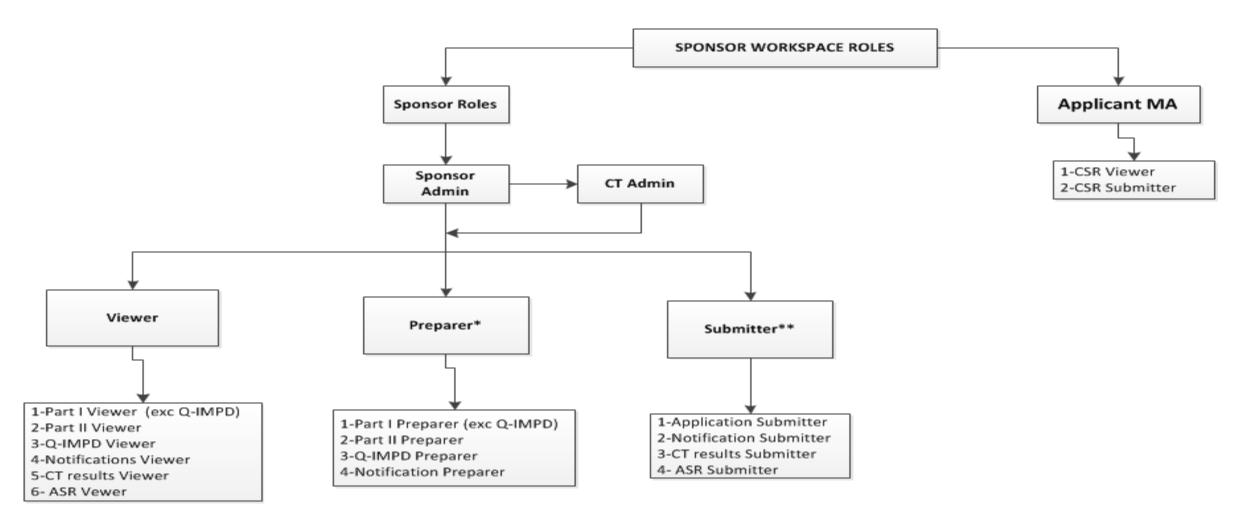




CTIS- SPONSOR WORKSPACE

CTIS - sponsor workspace roles

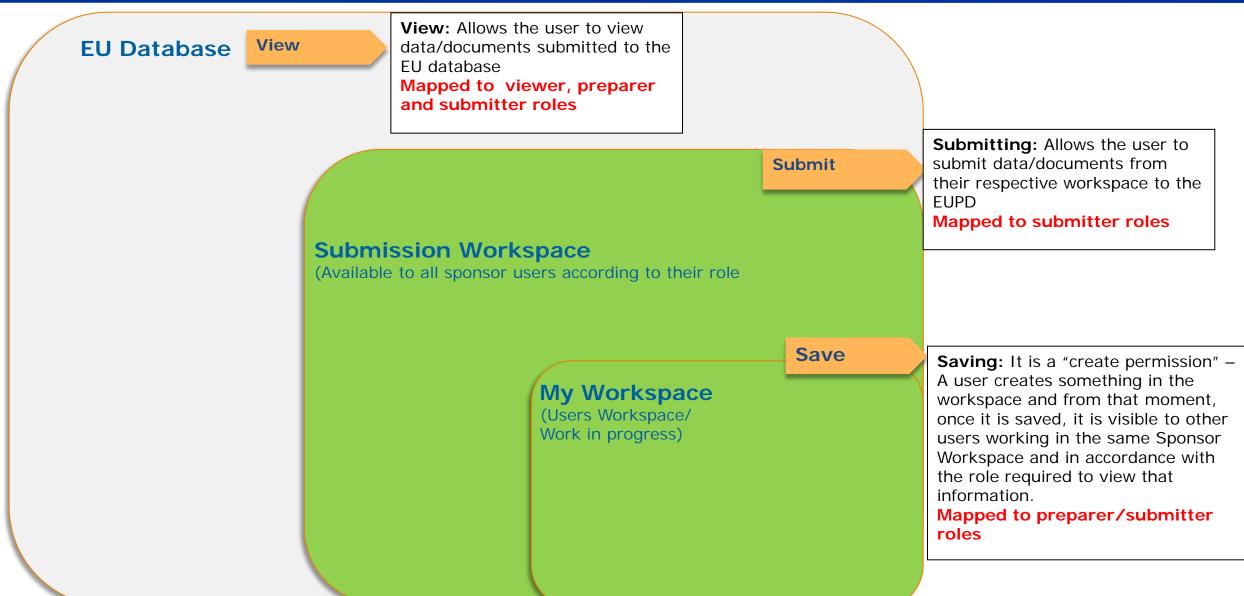




- * Preparers are also viewers
- ** Submitters are also preparer and viewers

CTIS – Sponsor workspace





CTIS- Sponsor Workspace Features



Sponsors Workspace



Confidential work area where Sponsors can prepare and compile data and information to submit via the EU portal to the EU database as well as access already submitted data for their Trials.

Mv CTs Overview & Search

- Search for trials I have access to
- Trials current status overview
- Access CT Application Dossier
- Submit new Applications



CT Application Dossier

- View detailed application dossier (data and documents)
- Manage my Trial (Complete application) dossier for new / updated trial ,issue Notifications etc)
- Download data and documents

Mv

- See formal or informal requests for information from Member States and respond
- See deadlines for responses
- Prepare responses to RFI

Requests for Information

> See all alerts and notices for all my trials Get reminders for important deadlines



User **Management**

- Invite users to access trials
- Assign roles to users for trials
- 2 different approaches: Organisation Centric vs CT centric

Annual Safety Reporting (ASR)

- Create and submit ASR
- Reply to RFI

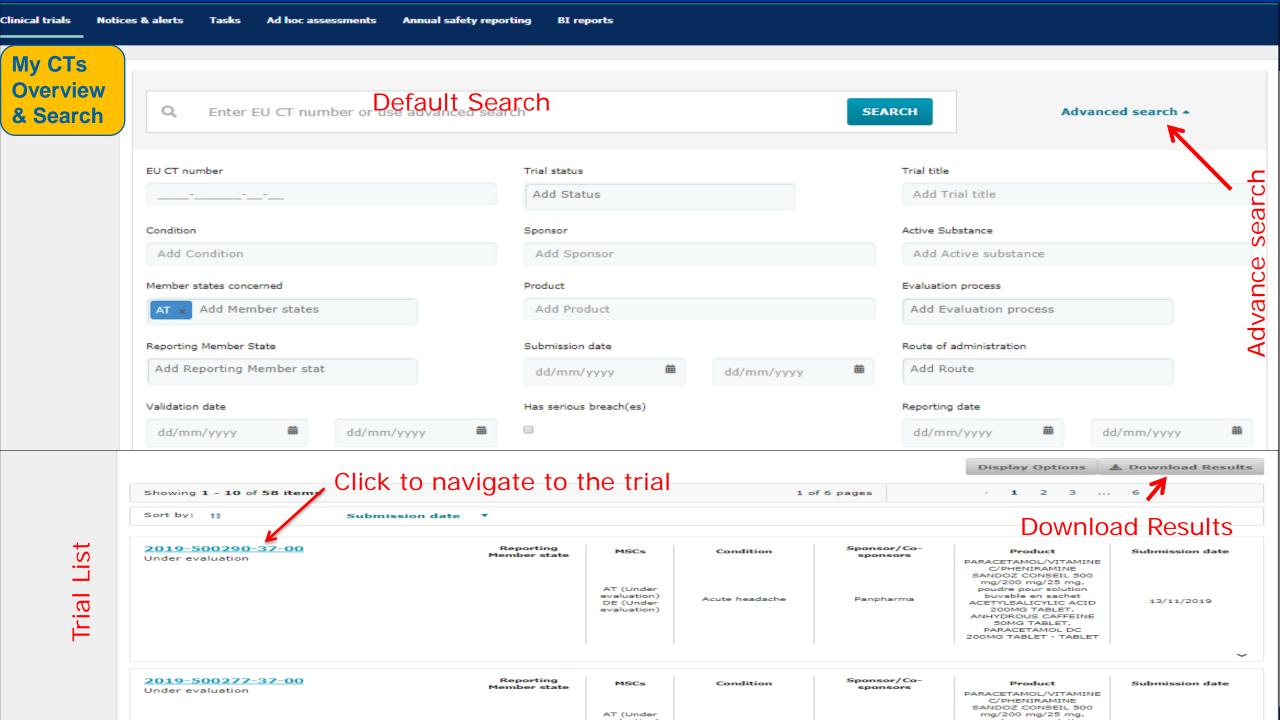


Imports CT Applications, Notifications and Trial Results to the Sponsor Workspace

Alerts

Notices &

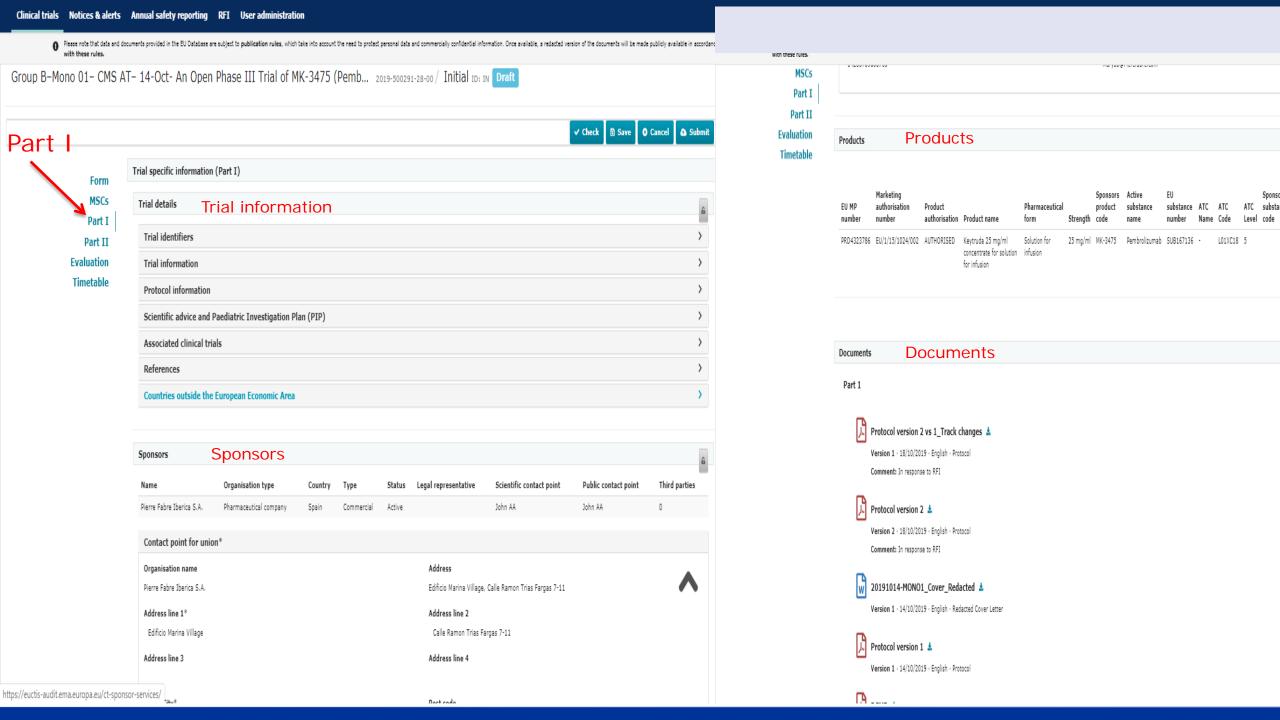
My



Group B-Mono 01- CMS AT- 14-Oct- An Open Phase III Trial of MK-3475 (Pembrolizumab) ATMP in Head and...

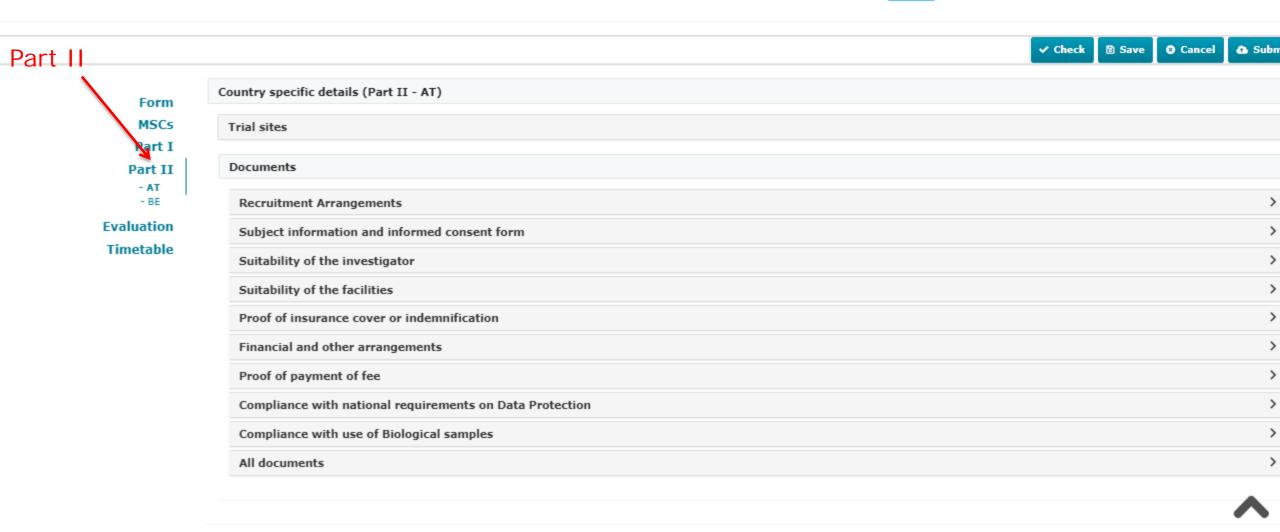
+ Create • Proposed RMS: Austria

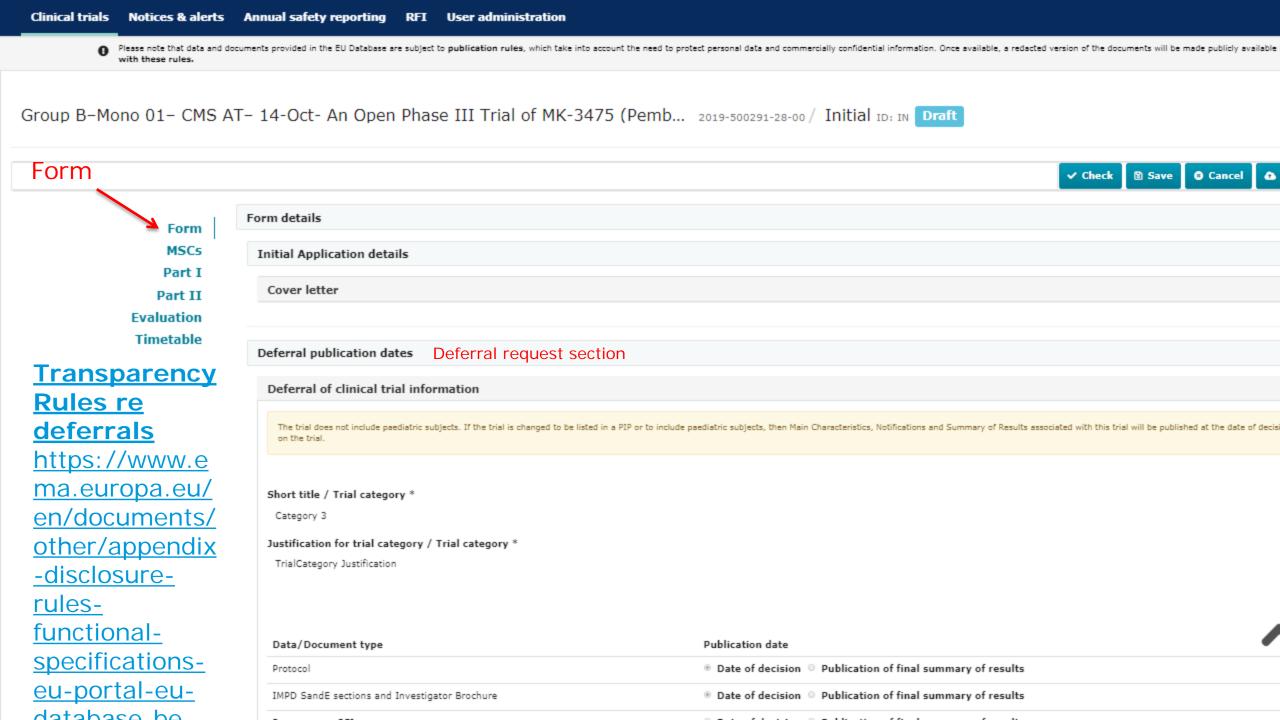
Full Trial Information Notifications Summary Trial results Corrective measures Users Amend TRIAL INFORMATION Member states concerned AT · BE Sponsor Trial phase Therapeutic confirmatory (Phase III) Medical conditions Head and neck cancer Diseases [C] - Cancer [C04] Therapeutic area Low intervention study Medical device No Population type Vulnerable populations (Women using contraceptives) **IMP** Expand all * ▼ KEYTRUDA 25 mg/mL concentrate for solution for infusion TRIAL STATUS Member State Trial status First decision date Start of trial End of trial Recruitment start date ΒE APPLICATIONS Click to navigate to the Application Submission date Decision date Type MSCs AT (Draft)

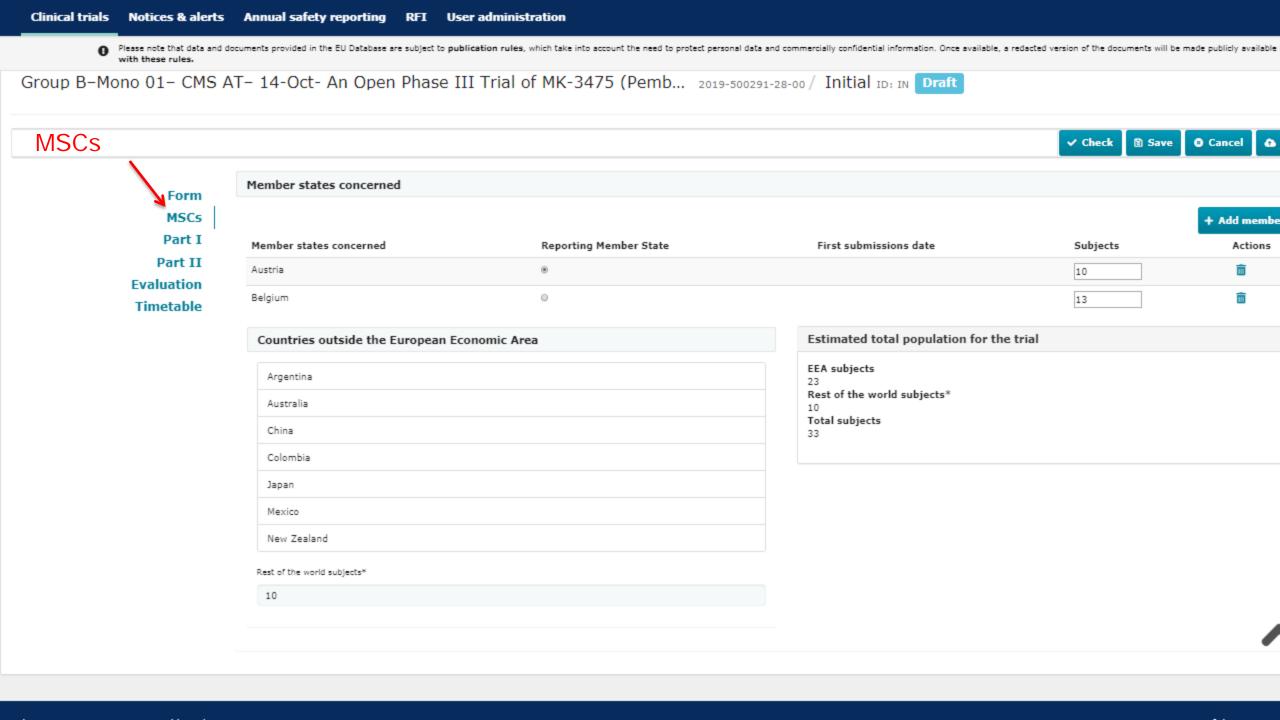


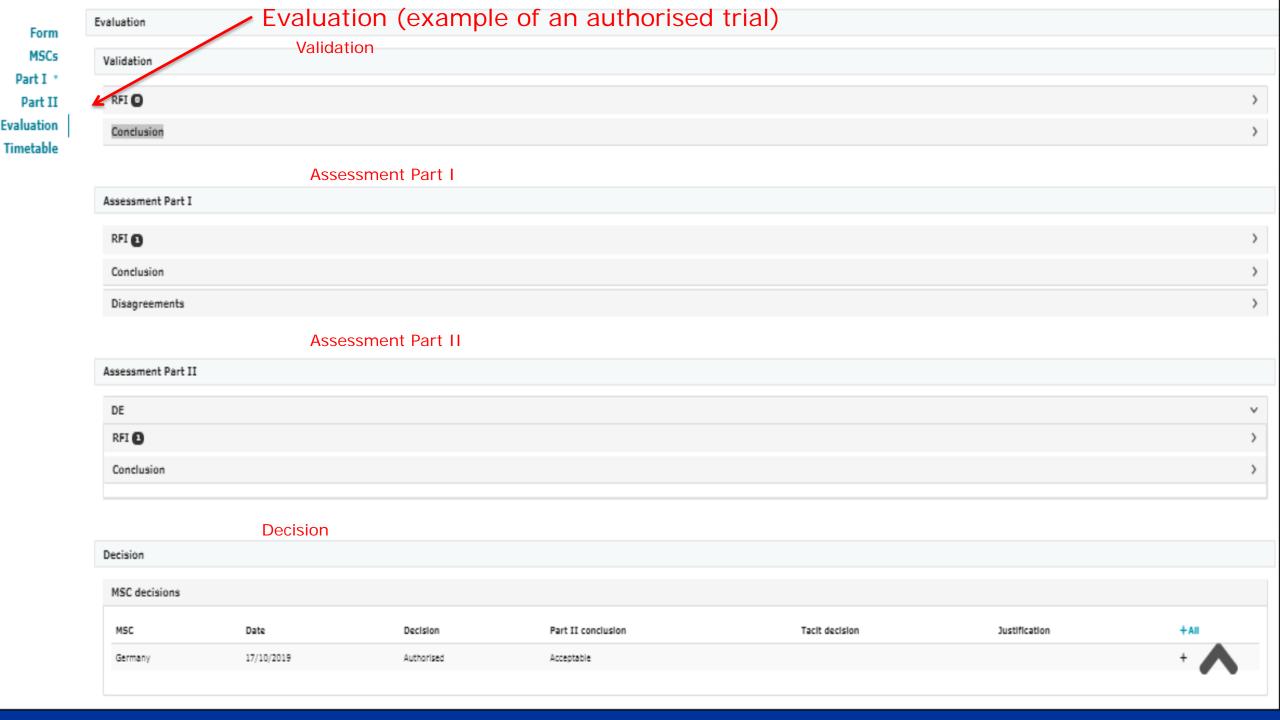
Please note that data and documents provided in the EU Database are subject to publication rules, which take into account the need to protect personal data and commercially confidential information. Once available, a redacted version of the documents will be made publicly available in account the need to protect personal data and commercially confidential information. Once available, a redacted version of the documents will be made publicly available in account the need to protect personal data and commercially confidential information. Once available, a redacted version of the documents will be made publicly available in account the need to protect personal data and commercially confidential information.

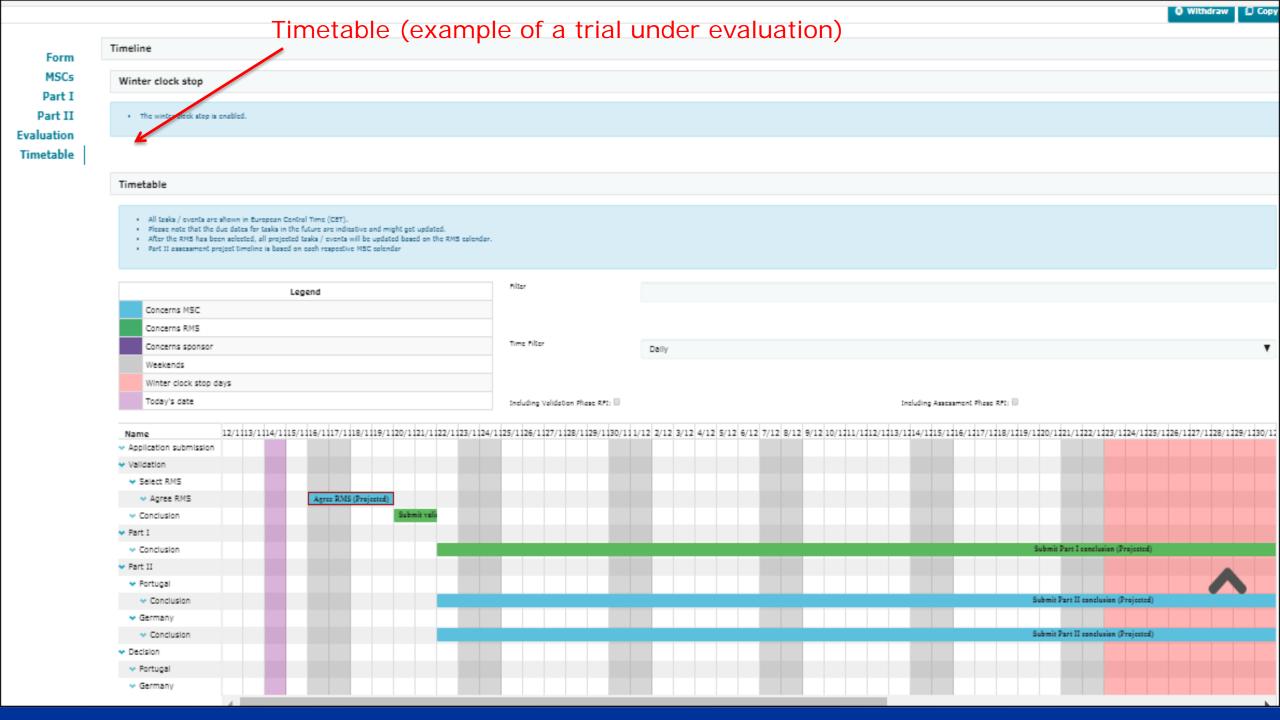
Group B-Mono 01- CMS AT- 14-Oct- An Open Phase III Trial of MK-3475 (Pemb... 2019-500291-28-00 / Initial ID: IN Draft





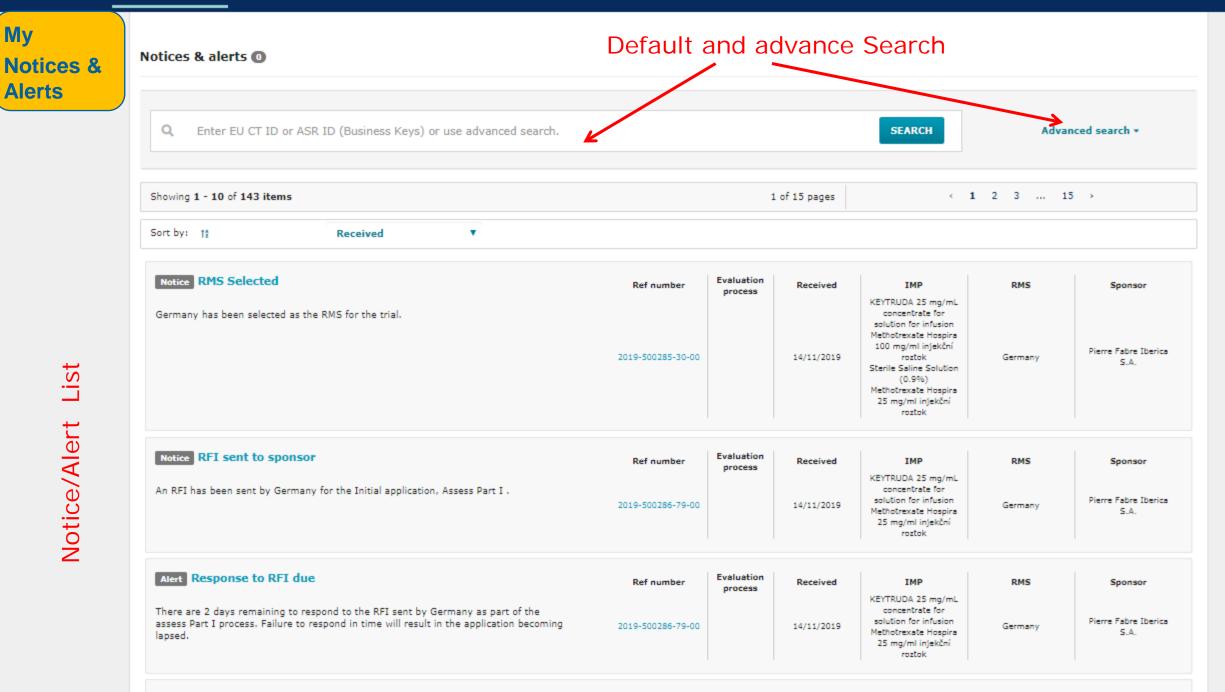




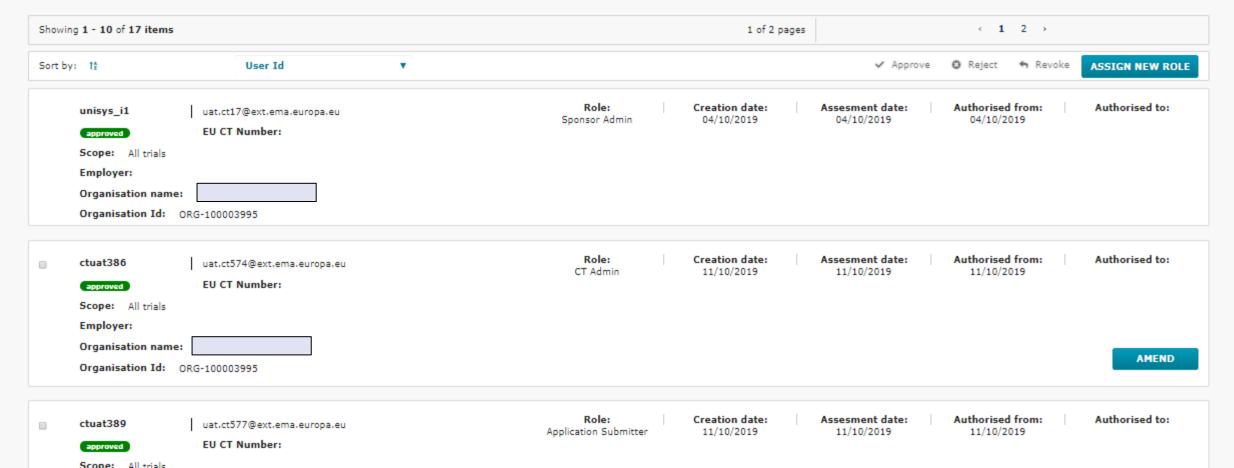


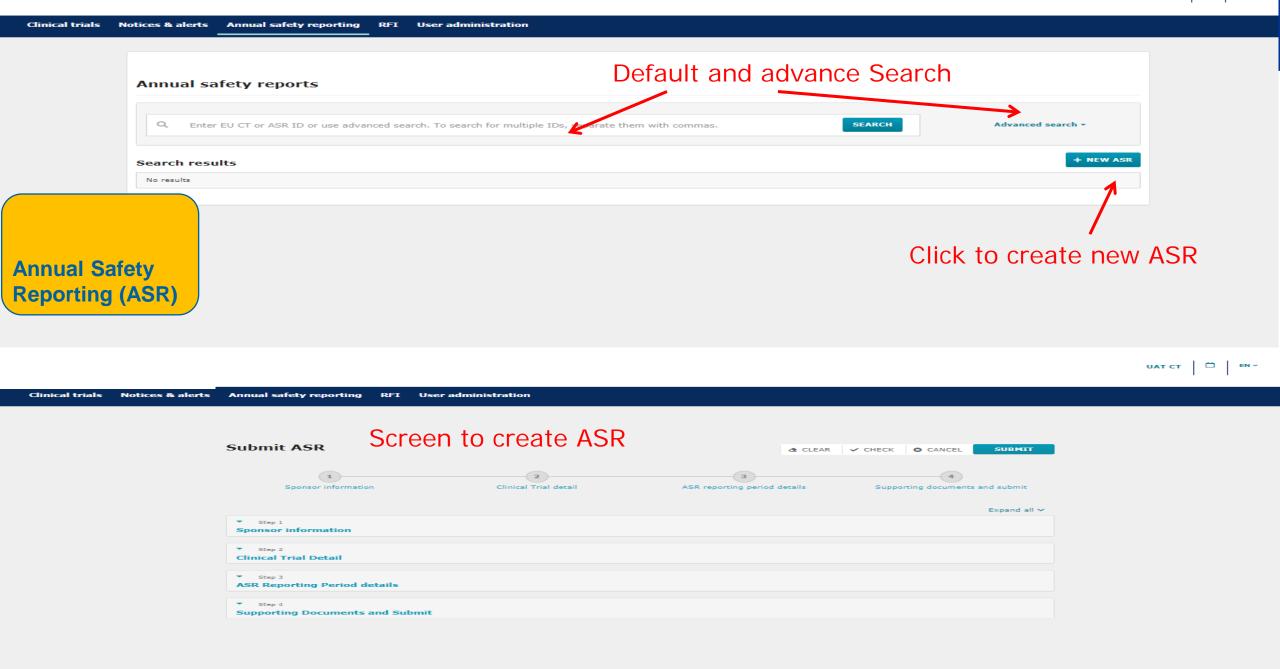
My

Alerts



Search Results



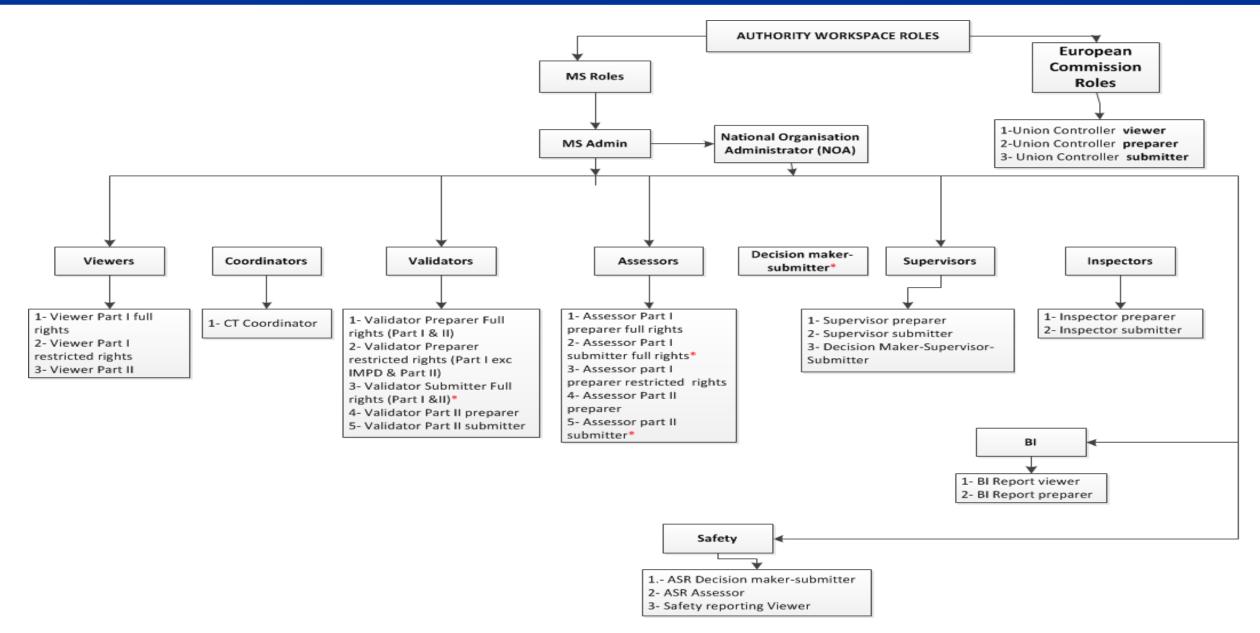




CTIS- AUTHORITY WORKSPACE

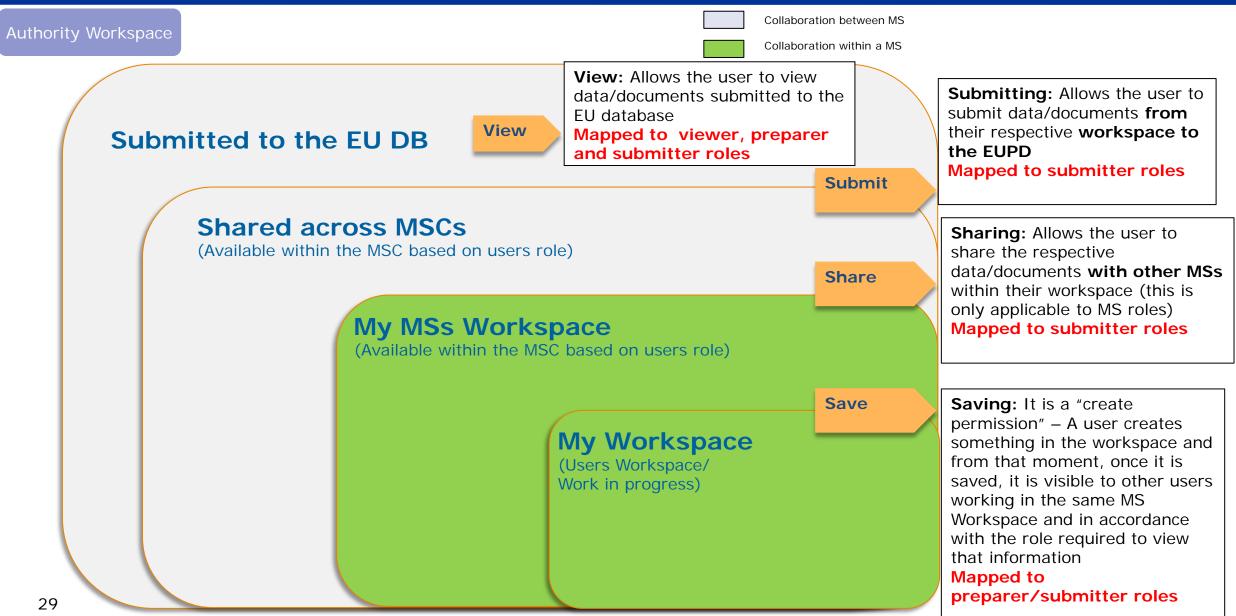
CTIS - Authority workspace roles





CTIS - Authority workspace- collaboration area





CTIS- Authority Workspace Features



Authority Workspace



Supports all activities of MSs throughout the evaluation of a clinical trial application as well as the collaboration between Member States and allows Authority users to retrieve all necessary structured data and documents for Clinical Trials.



CTs Overview & Search

- Search for trials
- Access CT data and document is restricted to user role and the MSs role for the Trial (MS, MSC, RMS)

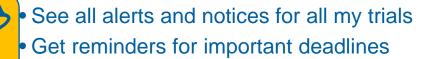


CT Application Dossier

- Trial overview including: the application dossier, medicinal product, documents, evaluation information/status, timetable, list of SUSARs, associated tasks, version history
- Option to start a MS notification (e.g. corrective measure)

Overview of tasks related to the

My Notices & Alerts





CT Supervision:
Ad Hoc
Assessment

- Search for ad hoc assessments
- Ad hoc assessment information and outcomes

_

- evaluation phase designated for the user group (Role) or individual user with all deadlines
- Allows task management and coordination
- Task-specific forms relating to the activities of MS (e.g. select RMS, document considerations etc.)
- Seamless navigation to CT dossier

CTIS- Authority Workspace Features



Authority Workspace



Supports all activities of MSs throughout the evaluation of a clinical trial application as well as the collaboration between Member States and allows Authority users to retrieve all necessary structured data and documents for Clinical Trials.

Annual Safety Reporting (ASR)

- Prepare and submit ASR assessment
- Create and assess RFI



Access to predefined BI reports

Create and view ah-hoc reports

Inspections
Planning/
Reports

BI Reports

- Overview of planned inspections for sites and CTs
- Create new inspections and clinical trials and upload inspection reports



Submit and view union control reports



User Management

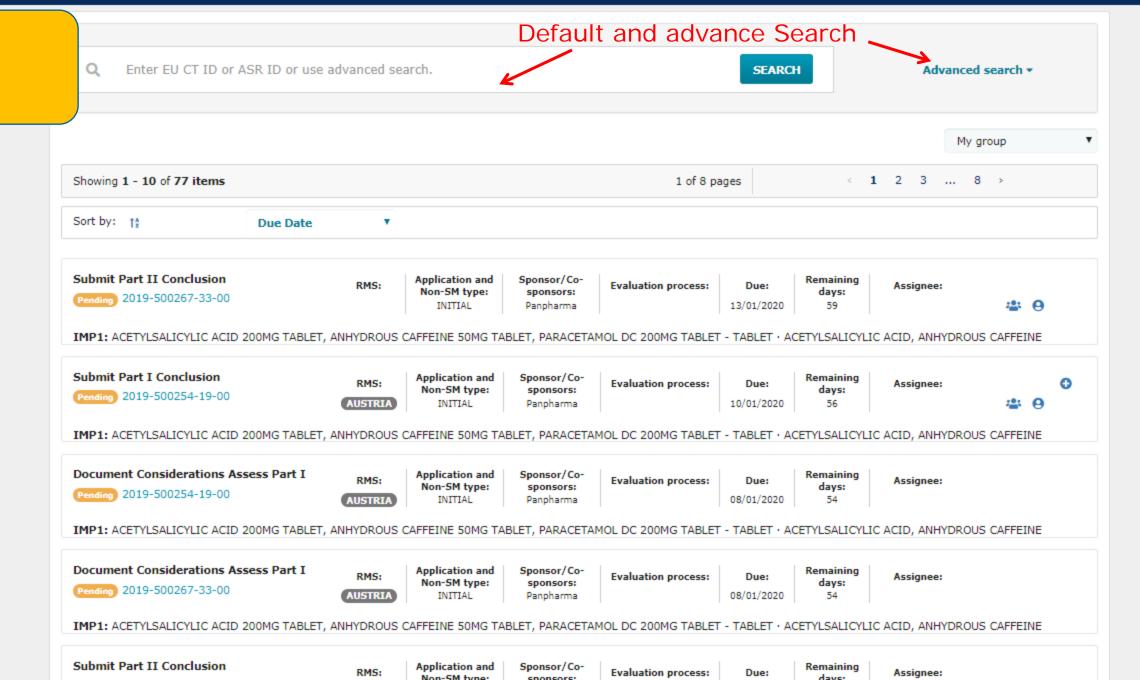
- Invite users to access trials
- Assign roles to users for trials
- Appointed MS Administrators are responsible for assigning access to national NCA and Ethics Committee administrators
- National NCA and Ethics Committee administrators are responsible for managing their user base

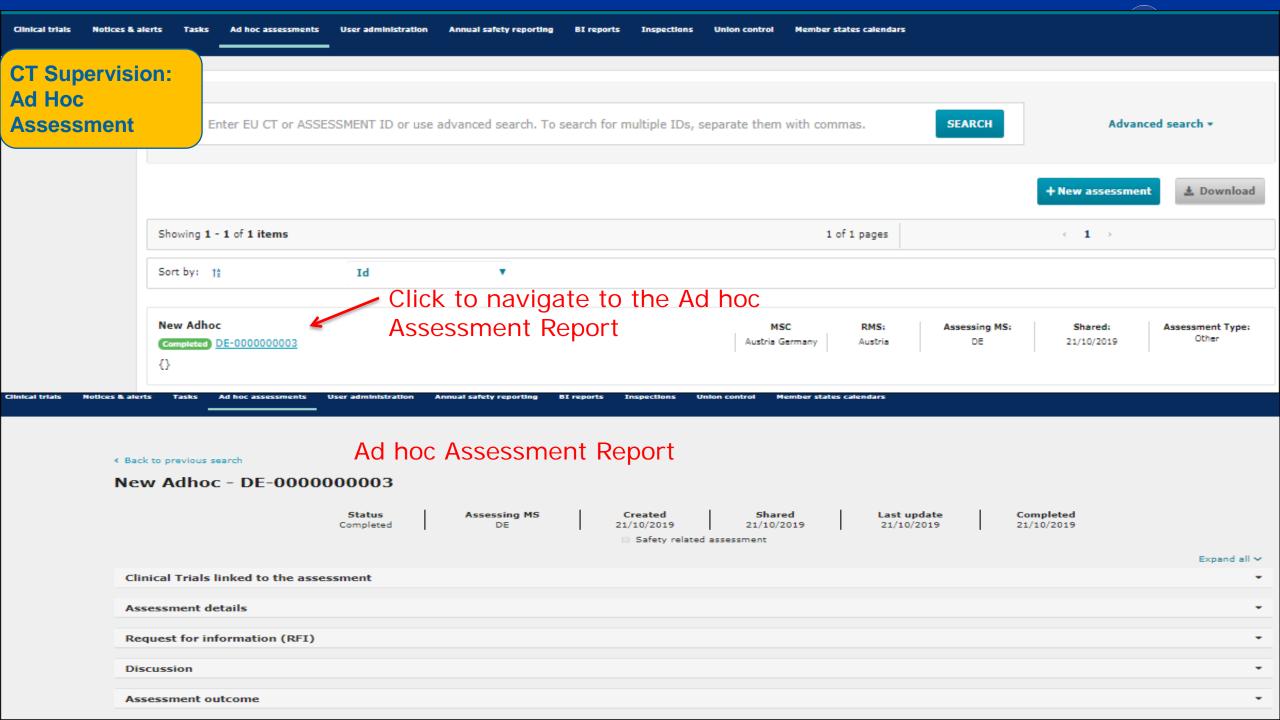


MSs Interface

- A REST Service interface (CRUD) is used for all entities.
- Allows to read CT structured data and documents and to submit Assessment reports

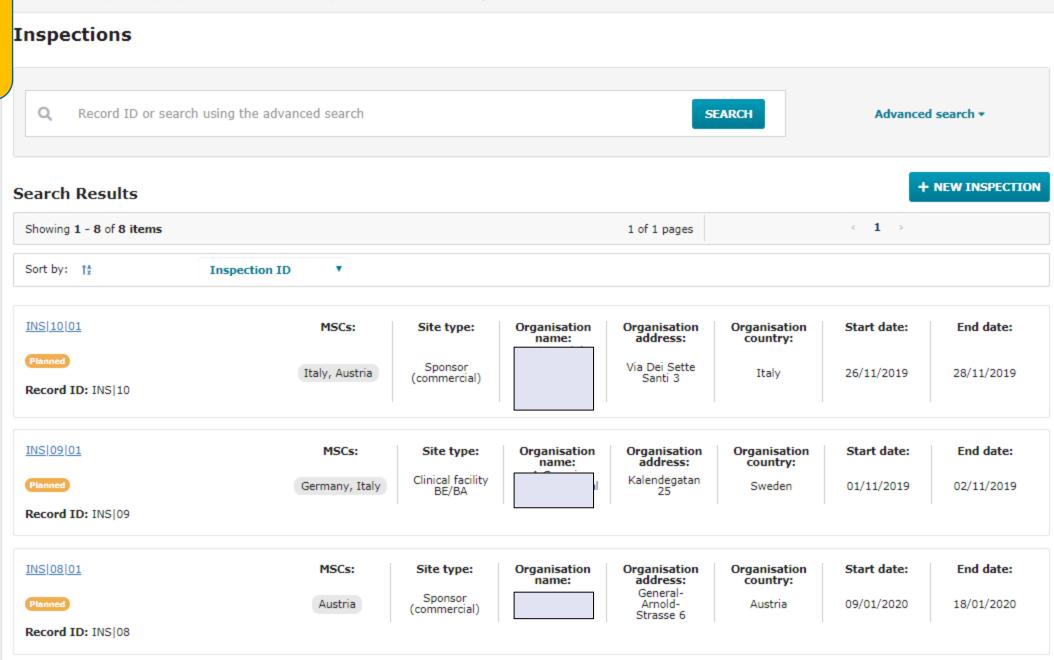
Task





Clinical trials

ote that redacted inspection reports provided in the EU Database are published in accordance with the publication rules.



Union Control Reports

Plans / Programmes

ID	Туре	Start date	End date	Share date	Status	Actions
UCP-2019-0002	Plan for Union Controls in Member States	19/10/2019	25/10/2019	18/10/2019	Removed	

« 1 »

1 -1 of1

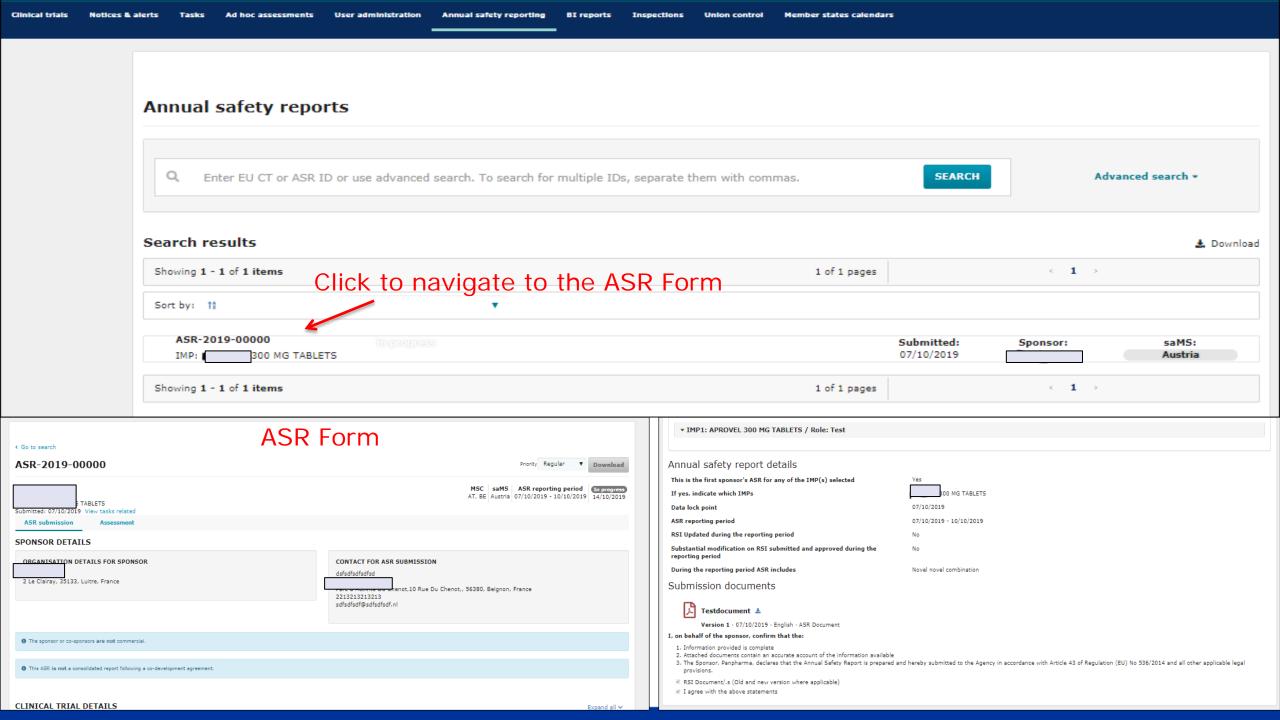
Reports

• Please note that data and documents provided in the EU Database are subject to **publication rules**, which take into account the need to protect personal data and commercially confidential information. Once available, a redacted version of the documents will be made publicly available in accordance with these rules.

ID	EC's internal ID	Country	Start date	End date	Submission date	Status	Actions

« 1 »

1 -0 of0



Training of the CTIS User Community- principles



- The main pathway for all users will be based on but not exclusive to online materials and events.
- A train-the-trainer approach including face-to-face trainings will develop superusers at Member State level
- Access to information on training and materials for all users will be through EMA website (<u>www.ema.europa.eu</u>)
- In case of questions, you are welcome to contact us through <u>CT.Training@ema.europa.eu</u>



User Manuals will provide detailed instructions on all aspects of the system for all users.



Short demo videos (5 – 10 minutes) will be tailored to a specific task or sub-task which can be completed on the system, categorised by user group and split according to the business process they relate to



Quick guides training will be built into CTIS to provide the user with instant access to the relevant sections of the user manual for the task they are completing within the system



In-system information training will be built into CTIS to provide the user with instant access to the relevant sections of the user manual for the task they are completing within the system



Dedicated training webinars will be targeted at user groups and will be based around a specific set of processes and act as a forum for question and answers

Summary and status- highlights



- The New Delivery Model has been gradually being implemented and is being monitored based on defined KPIs
- The first step was the merge of the EU portal and database (R0.7) with safety reporting system (R0.9) (CTIS system)
- The Product Vision adopted in May drives on the priorities to be considered in the release planning for each
 of the three milestones described (Audit, Go-live and after Go-live), considering the current status of the
 system as shown today
- Development continues as planned:
 - Release 11- sprint 13 is the one currently under development
 - Release 12 plan (Sprints 14 16) was presented for endorsement to the Expert Group in October
- MSs and Sponsors (end users) are highly involved in all phases of the Delivery Model via de Product Owners, who are working in very close collaboration with EMA and the development team
- MSs and Sponsors Product Owners have recently performed an end to end testing of the system (operational assessment) to identify the current gap in the system to pass the audit and achieve go-live
- The outcome of the operational assessment will help to provide projections for the audit date and plan
- The training strategy will be implemented considering the delivery plan.

Main Goal: collaboration, quality of the research, transparency and better patient outcome



Any questions?

Email address: noemie.manent@ema.europa.eu **Official address** Domenico Scarlattilaan 6 • 1083 HS Amsterdam • The Netherlands **Address for visits and deliveries** Refer to www.ema.europa.eu/how-to-find-us **Send us a question** Go to www.ema.europa.eu/contact **Telephone** +31 (0)88 781 6000

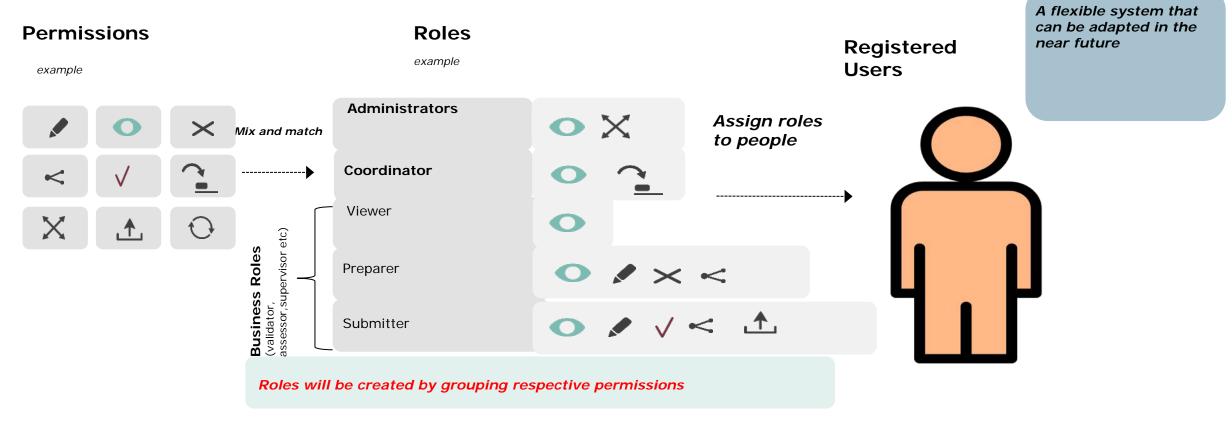




BACKGROUND SLIDES

CTIS- Permissions and roles





Each user can be assigned one or more roles to allow him/her to execute relevant actions in the system

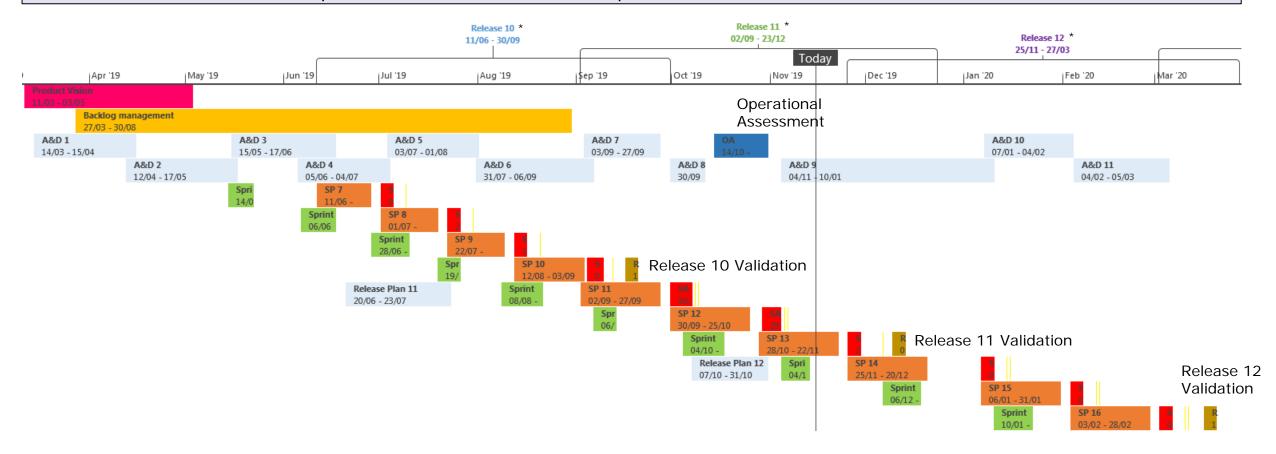


Calendar overview



The project is in Release 11 and the 2nd Sprint has finished. The project team is working on planning Sprint 14. Release 12 plan was endorsed by the Expert Group. The development of Sprint 13 started as planned.

The Operational Assessment has completed and the feedback is consolidated.



^{*} Release 10 is comprised of 4 sprints: from 7 to 10

^{*} Release 11 is comprised of 3 sprints: from 11 to 13

^{*} Release 12 is comprised of 3 sprints: from 14 to 16