

7 TH ERA WORKSHOP IN BUDAPEST

ERTMS trackside approval. Lessons learnt

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Budapest, 2nd October 2019



The Technical Pillar of the 4th Railway Package



The Agency is ready for approvals applications since 16th June 2019

- ✓ Single Safety Certificates
- ✓ Vehicles Authorisations
- ✓ ERTMS trackside decisions on approvals

ERA issue decisions on ERTMS trackside approval



Applicant submits request for approval for an ETCS, GSM-R or ERTMS trackside solution

Including requested documentation

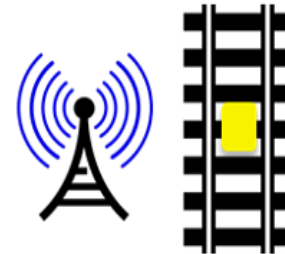
Including evidences that issues are controlled and will be resolved



Agency issues a decision on approval

Within 1 month it will inform applicant of completeness

When complete, or at the agreed deadline the Agency will make decision. The deadline is based on on availability of the technical

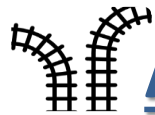


NSA authorizes the fixed installations including the ERTMS trackside subsystem

Approval is required for the authorization by the National Safety Authority as part of the application file

Decision on ERTMS trackside approval
(Article 19, IOD (Directive (EU) 2016/797))

Entities for the approval process and main responsibilities



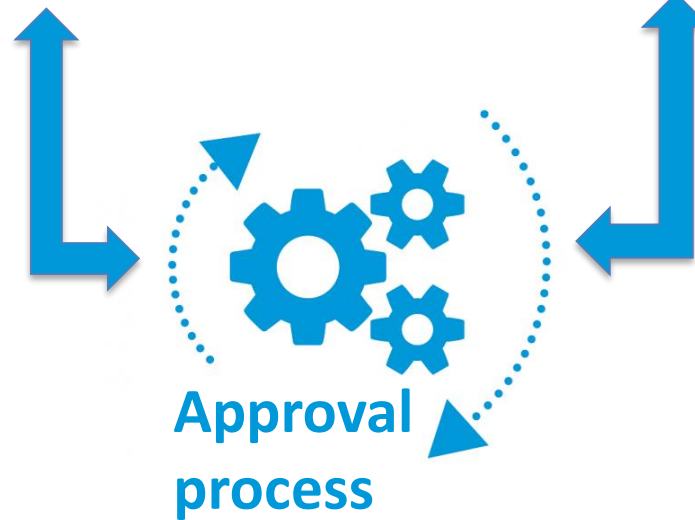
Applicant

- ✓ Request for initial engagement (*)
- ✓ Submits application
- ✓ Provides application file
- ✓ Requests decision review (*)
- ✓ Requests Board of Appeal (*)
- ✓ Pays applicable fees



NSAs

- ✓ Provides opinion(s) (*)
- ✓ Proposes new IO issues (*)
- ✓ Considers ERA decision
- ✓ Considers decision condition(s) (*)
- ✓ Requests new approval (*)

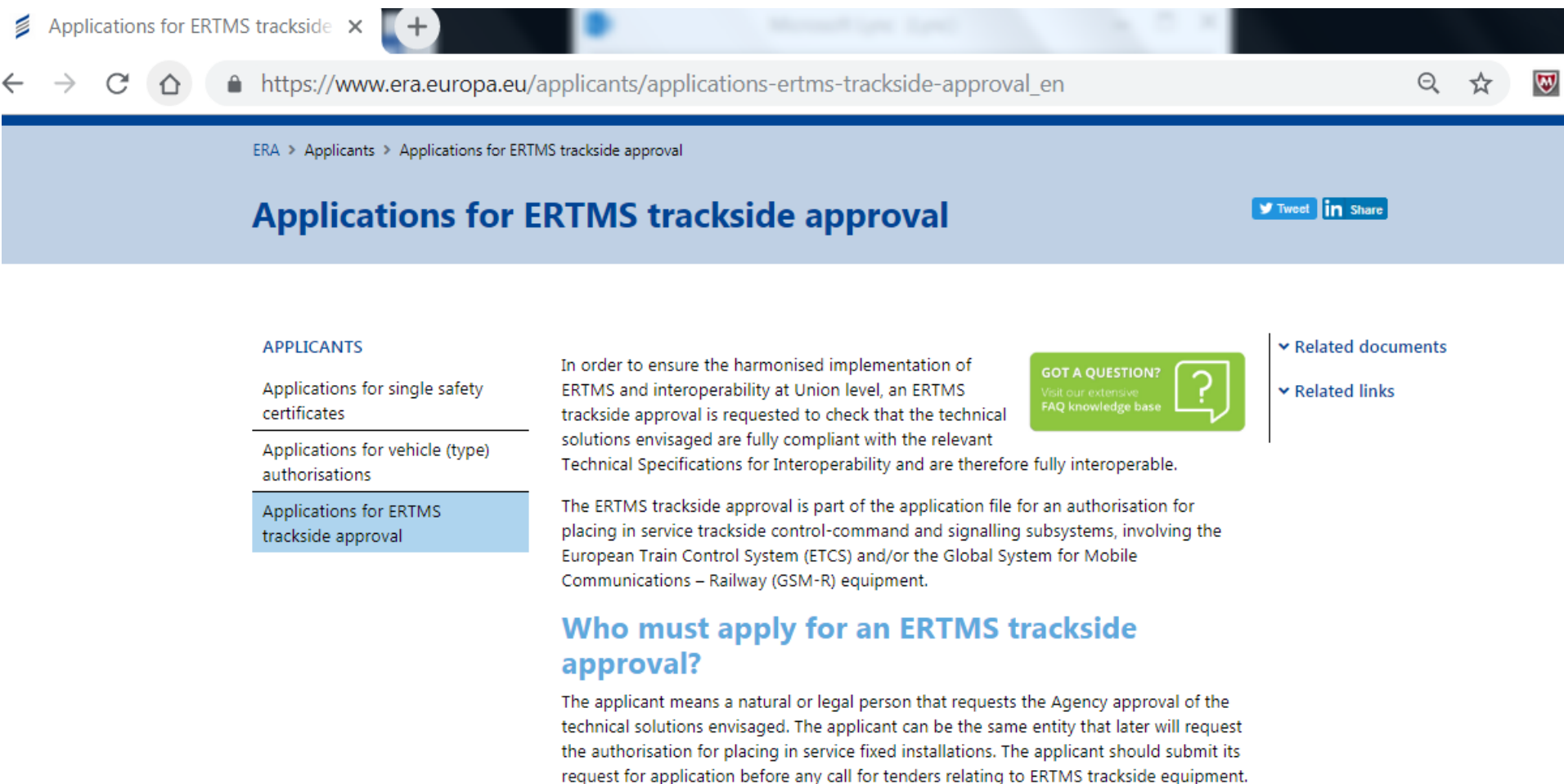


Approval process

- ✓ Manages the approval process
- ✓ Assesses the application file
- ✓ Considers NSA opinions (*)
- ✓ Provides a decision
- ✓ Reviews its decision (*)
- ✓ Add new IO issues (*)

(*) conditional

All relevant documentation is in the Agency website



The screenshot shows a web browser window with the URL https://www.era.europa.eu/applicants/applications-ertms-trackside-approval_en. The page title is "Applications for ERTMS trackside approval". The breadcrumb trail is "ERA > Applicants > Applications for ERTMS trackside approval". There are social media sharing buttons for Twitter and LinkedIn. The main content area has a sidebar on the left with a menu under "APPLICANTS" containing three items: "Applications for single safety certificates", "Applications for vehicle (type) authorisations", and "Applications for ERTMS trackside approval" (which is highlighted). The main text area contains a paragraph about the purpose of the approval, a green call-to-action box with a question mark icon and the text "GOT A QUESTION? Visit our extensive FAQ knowledge base", and a list of "Related documents" and "Related links". A second paragraph explains that the approval is part of an application file for an authorisation for placing in service trackside control-command and signalling subsystems, involving the European Train Control System (ETCS) and/or the Global System for Mobile Communications – Railway (GSM-R) equipment. A third section titled "Who must apply for an ERTMS trackside approval?" explains that the applicant is a natural or legal person that requests the Agency approval of the technical solutions envisaged.

ERA > Applicants > Applications for ERTMS trackside approval

Applications for ERTMS trackside approval

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APPLICANTS

- Applications for single safety certificates
- Applications for vehicle (type) authorisations
- Applications for ERTMS trackside approval**

In order to ensure the harmonised implementation of ERTMS and interoperability at Union level, an ERTMS trackside approval is requested to check that the technical solutions envisaged are fully compliant with the relevant Technical Specifications for Interoperability and are therefore fully interoperable.

GOT A QUESTION?
Visit our extensive
FAQ knowledge base

- Related documents
- Related links

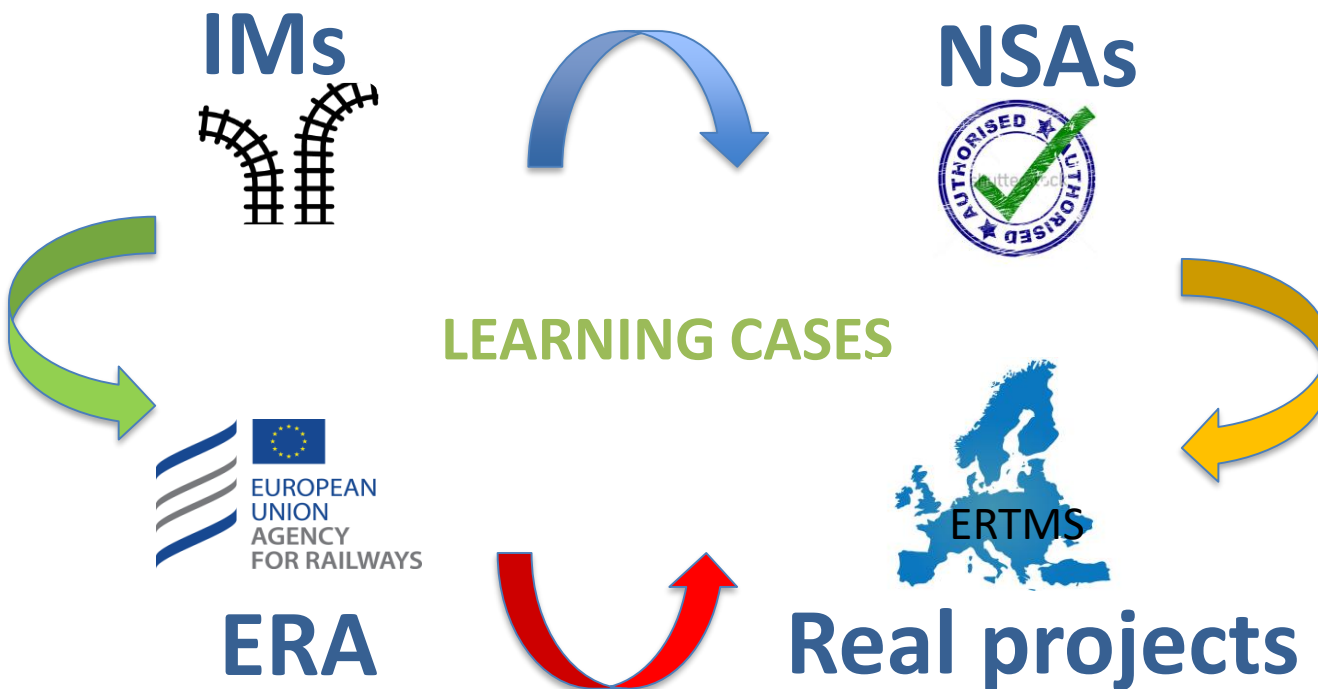
The ERTMS trackside approval is part of the application file for an authorisation for placing in service trackside control-command and signalling subsystems, involving the European Train Control System (ETCS) and/or the Global System for Mobile Communications – Railway (GSM-R) equipment.

Who must apply for an ERTMS trackside approval?

The applicant means a natural or legal person that requests the Agency approval of the technical solutions envisaged. The applicant can be the same entity that later will request the authorisation for placing in service fixed installations. The applicant should submit its request for application before any call for tenders relating to ERTMS trackside equipment.

If any question please, use the “contact us” in the Agency’s web, specifying that it is related to the trackside approval

Lessons learnt during learning cases

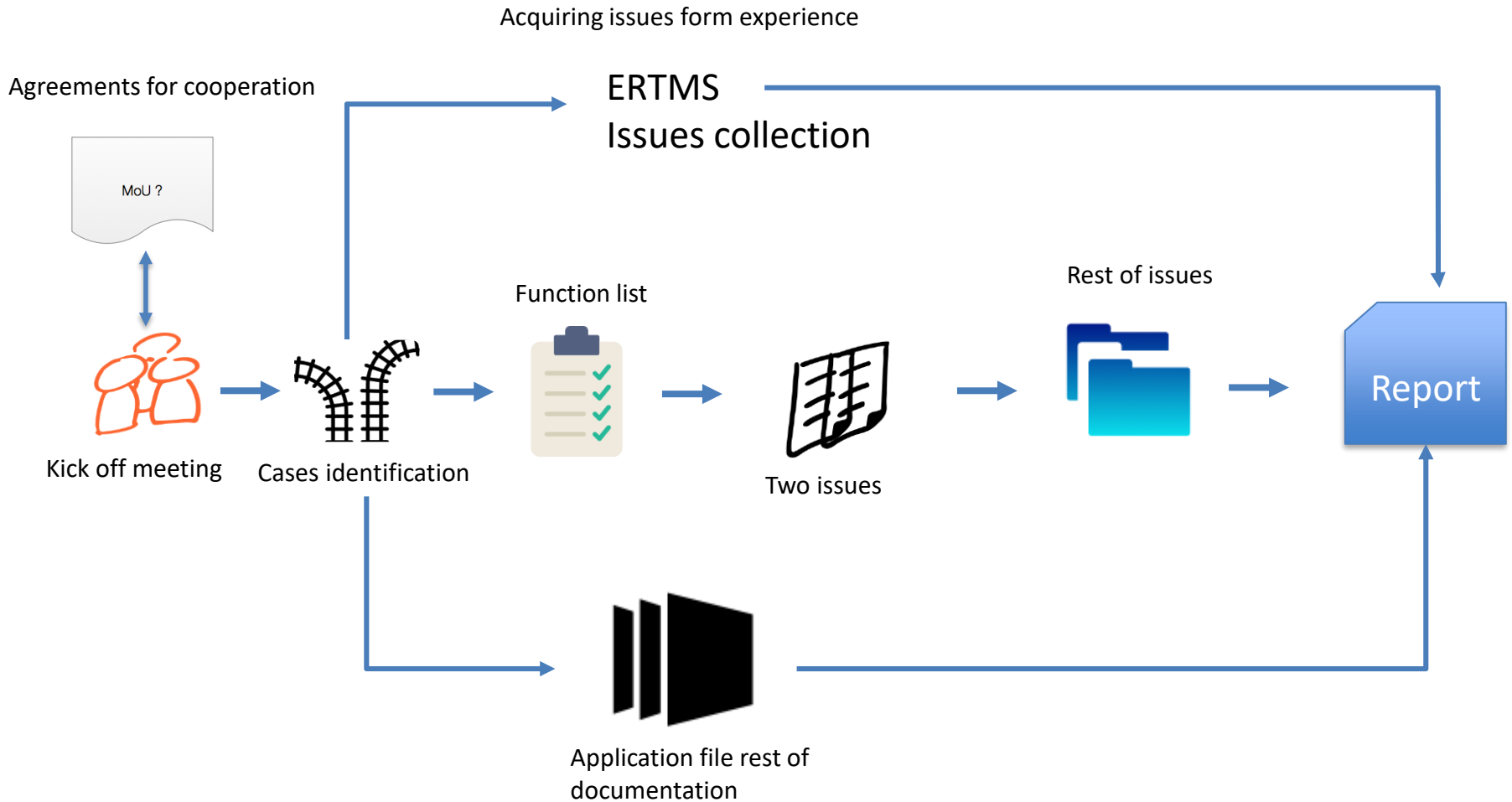


Learning cases 2017: NO, BE, ES , SE

Learning cases 2018: FR, IT

Learning cases 2019 until June: NL, FR

Learning cases 2019: DE, ...



Conclusions of cases for the approval, issue list



The issue list is introduced in the EC recommendation, and was very well received by the sector and NSAs

As result of the learning cases,
the issue list is as an excellent tool
for the approval process

Increase clarity on the envisage technical solutions:

Function declarations, *function list*

Design description, engineering rules & operational scenarios

Interoperability:

Demonstration of control of identified interoperability risks, *Issue list*

Avoid repetition of errors, problems and interoperable deviations

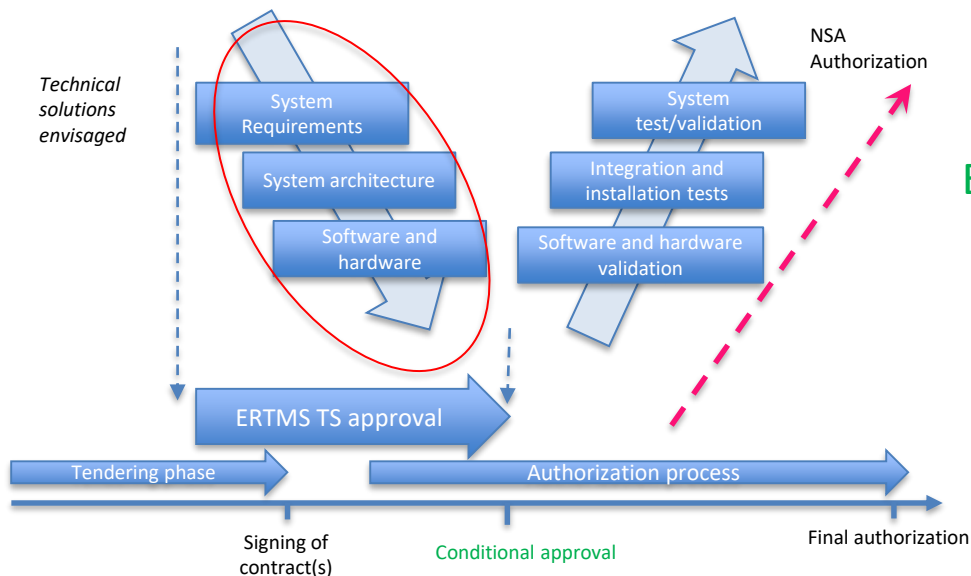
Avoid duplicity with the NoBo, focus on issues.

Harmonisation:

Re-using of successful design does not require new assessments, *Re-approvals*



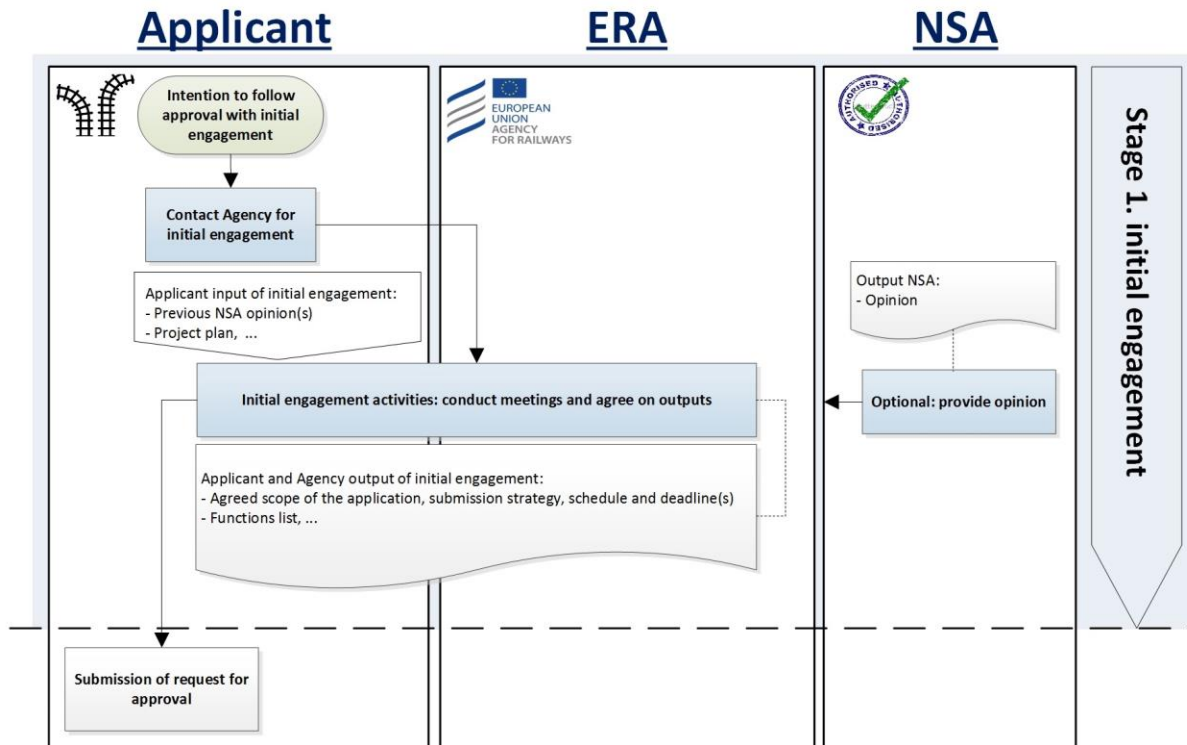
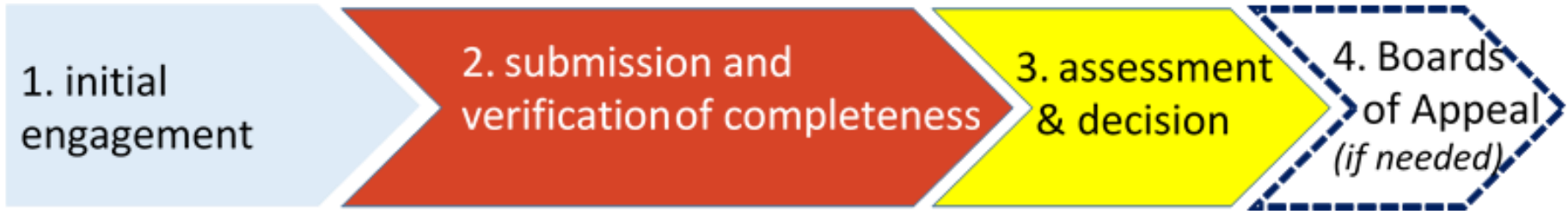
When?



ERA checks envisage technical solutions!!

Reasonable deadline

Approval stages, Initial engagement, lessons learnt



Submission strategy

Approval planning

Reasonable deadline





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