

The European UAS Regulation

Your safety is our mission.

The Specific Category

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Specific Category

Definition

- It is a UAS operation exceeding the limitations defined in the 'open' category.
- Examples of UAS operations in the specific category:
 - BVLOS
 - higher than 120m
 - with a UAS with MTOM > 25 kg
 - with the purpose of dropping material
 - in urban environment with UAS with a MTOM > 4 kg or without proper CE class mark
- Remote pilot minimum age 16, unless supervised (it may be reduced to 14)

Specific Category – Risk Assessment



SORA

(Specific Operation Risk Assessment)

ConOps description

Overflow area

Airspace

Operational conditions

UA characteristics dimension

Specific assurance and integrity level (SAIL)

- SAIL I & II: low risk
- SAIL III & IV: medium risk
- SAIL IV & V: high risk

Operational safety objectives (OSO) and mitigations for a safe and secure flight

- Flight conditions
- Operational limitations,
- Remote pilot and other personnel competencies
- Technical requirements of the UAS
- Security and privacy

Included in the AMC to Regulation (EU) 2019/945 published on [EASA website](#)



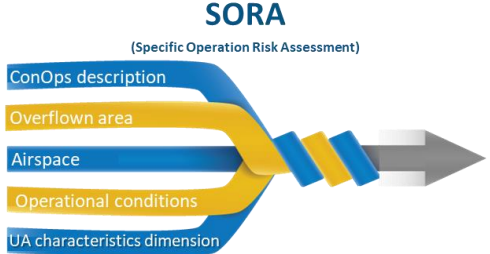
Specific Category – Standard Scenario

Developed by EASA as simplification for the UAS operator

Low risk operational scenario



European Union Aviation Safety Agency



Detailed mitigation measures easy to be implemented



Appendix to regulation (EU) 2019/947

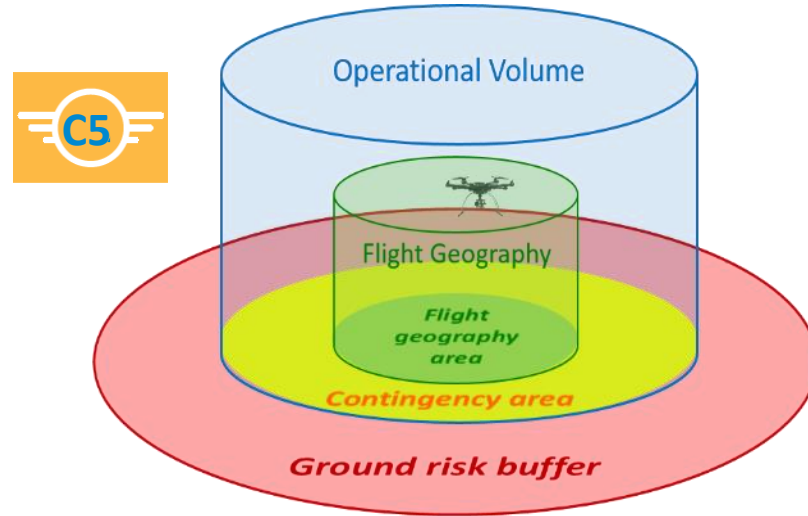


Confirmation of receipt and completeness



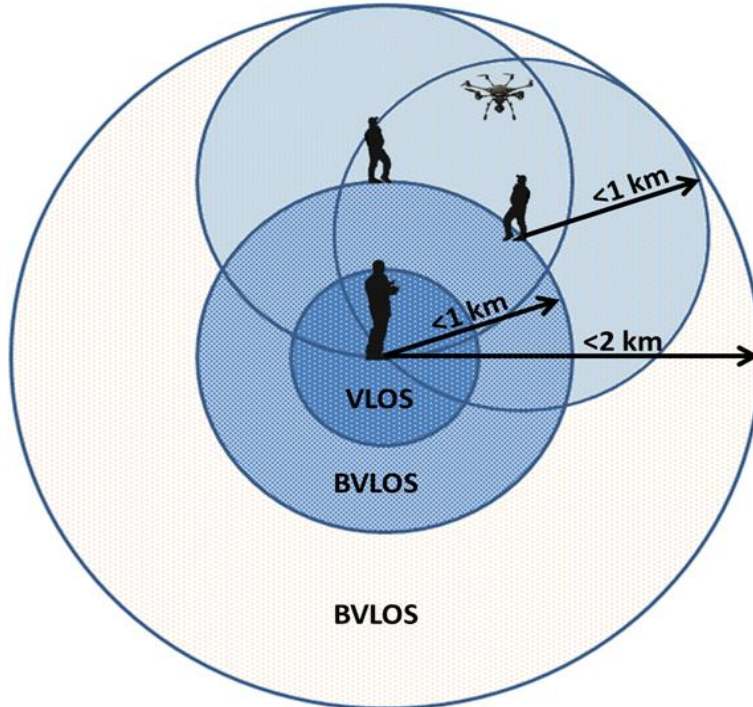
Opinion on Standard Scenarios

- Operations based on declarations, it will be Appendices to the IA
- Published on 7/11/2019: 2 STS (based on scenarios already used in some MS)
 - **STS-01**: VLOS, below 120m in urban environment, with UA MTOM<25kg



Opinion on Standard Scenarios

- **STS -02:** BVLOS, below 120m in sparsely populated area environment, with UA MTOM<25kg
 - range <2km when using airspace observers (AO), otherwise <1km



BVLOS
Using a Airspace
observers

BVLOS
Using a UAS with
automatic modes

Opinion on Standard Scenarios

- **Remote pilot competency**
 - Certificate of remote pilot theoretical knowledge for operations in the STS issued by the CA or by an entity recognised by the CA after:
 - online training course and examination as in open category
 - additional theoretical knowledge examination provided by the CA or by an entity recognised by the CA;
 - validity 5 years, renewal subject to the demonstration of above competencies or after a seminar

Opinion on Standard Scenarios


- **Remote pilot competency (cont.)**
 - accreditation of completion of the STS-01 or STS-02 practical skill training, issued by an entity recognised by the CA or by a UAS operator that has declared compliance with:
 - STS-01 or STS-02 and
 - the requirements in listed in Appendix 3

Opinion on Standard Scenarios

Declaration to conduct an STS

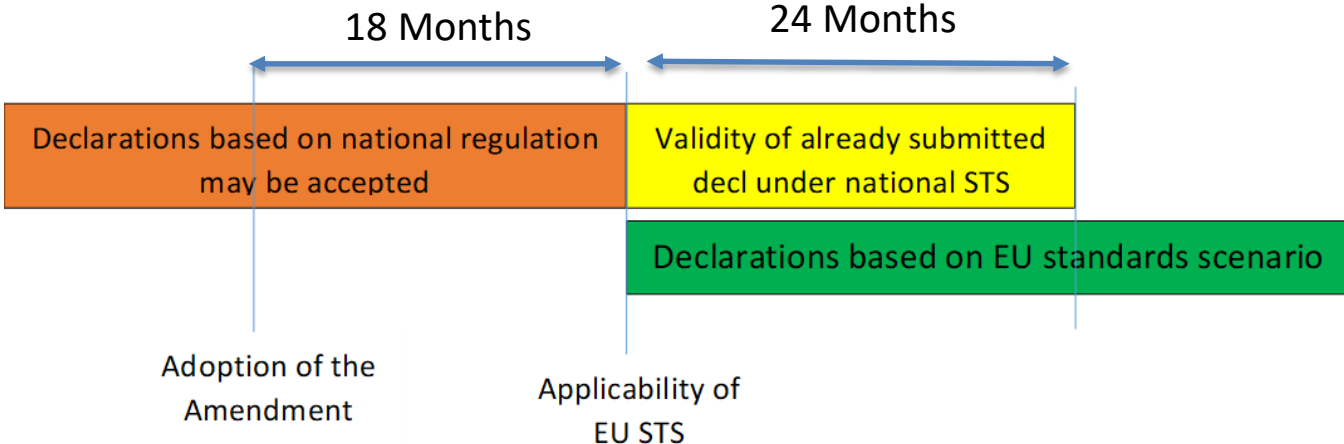
 STS-x Operational declaration	
<p>Data protection: Personal data included in this declaration is processed by the competent authority pursuant to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation). It will be processed for the purposes of the performance, management and follow up of the oversight activities according to Regulation (EU) 2019/947.</p> <p>If you require further information concerning the processing of your personal data or you wish to exercise your rights (e.g. to access or rectify any inaccurate or incomplete data), please refer to the contact point of the competent authority.</p> <p>The applicant has the right to make a complaint regarding the processing of the personal data at any time to the national Data Protection Supervisory Authority.</p>	
UAS operator registration number	
UAS operator name	
UAS manufacturer	
UAS model	
<p>I hereby declare that:</p> <ul style="list-style-type: none"> - I comply with all the applicable provisions of Regulation (EU) 2019/947 and with <u>STS-x</u>; and - <u>appropriate</u> insurance cover will be in place for every flight made under the declaration, if required by Union or national law. 	
Date	Signature or other verification

Declaration to provide practical skill training for an STS

 STS-x Declaration of UAS operators that intend to provide practical skill training and assessment of remote pilots	
<p>Data protection: Personal data included in this declaration is processed by the competent authority pursuant to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation). It will be processed for the purposes of the performance, management and follow up of the oversight activities according to Regulation (EU) 2019/947.</p> <p>If you require further information concerning the processing of your personal data or you wish to exercise your rights (e.g. to access or rectify any inaccurate or incomplete data), please refer to the contact point of the competent authority.</p> <p>The applicant has the right to make a complaint regarding the processing of the personal data at any time to the national Data Protection Supervisory Authority.</p>	
UAS operator registration number	
UAS operator name	
<p>I hereby declare that:</p> <ul style="list-style-type: none"> - I have submitted the operational declaration for STS-x; - I comply with the requirements defined in Appendix 3 to the Annex to Regulation (EU) 2019/947; and - when operating a UAS in the context of training activities for <u>STS.x</u>, I comply with all the applicable provisions of Regulation (EU) 2019/947, including requirements for operations under <u>STS.x</u> 	
Date	Signature or other verification

Opinion on Standard Scenarios

- Applicability:



Adoption of amendment expected by mid 2020

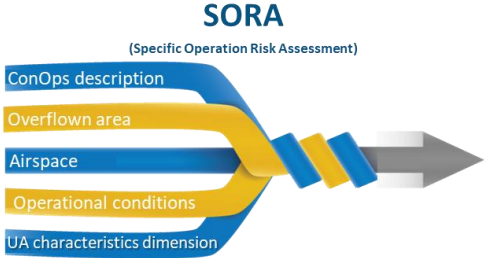
Specific Category Pre-Defined Risk Assessment

Developed by EASA as simplification for the UAS operator

Operational scenario



European Union Aviation Safety Agency



Package to submit application
(AMC to the regulation)



NAA



Application for authorisation



Operational authorisation



Specific Category Pre-defined Risk Assessment

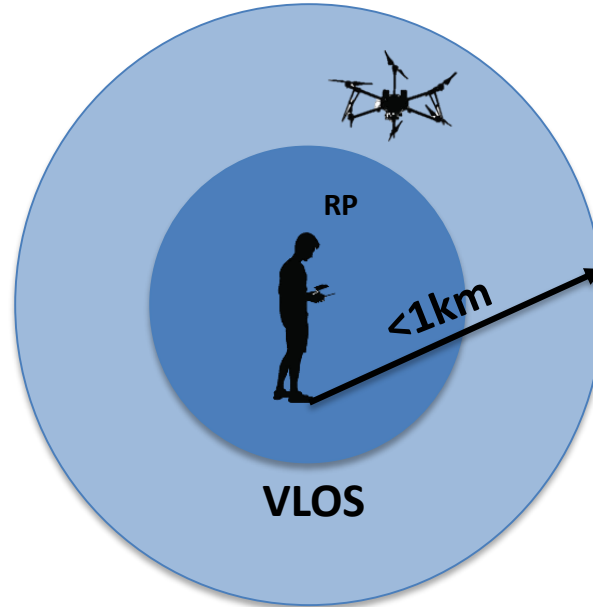
- Acceptable mean of compliance (AMC) to Article 11 of the IA
- 1st PDRA Published as [AMC and GMs](#) to the IA (AMC2 Article 11)
 - **PDRA-01**: BVLOS, below 120m, in controlled airspace over sparsely populated area, with UA MTOM<25kg

RP = remote pilot

AO = airspace observer

BVLOS

Using a UAS with
automatic modes



Specific Category Pre-defined Risk Assessment

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RP = remote pilot

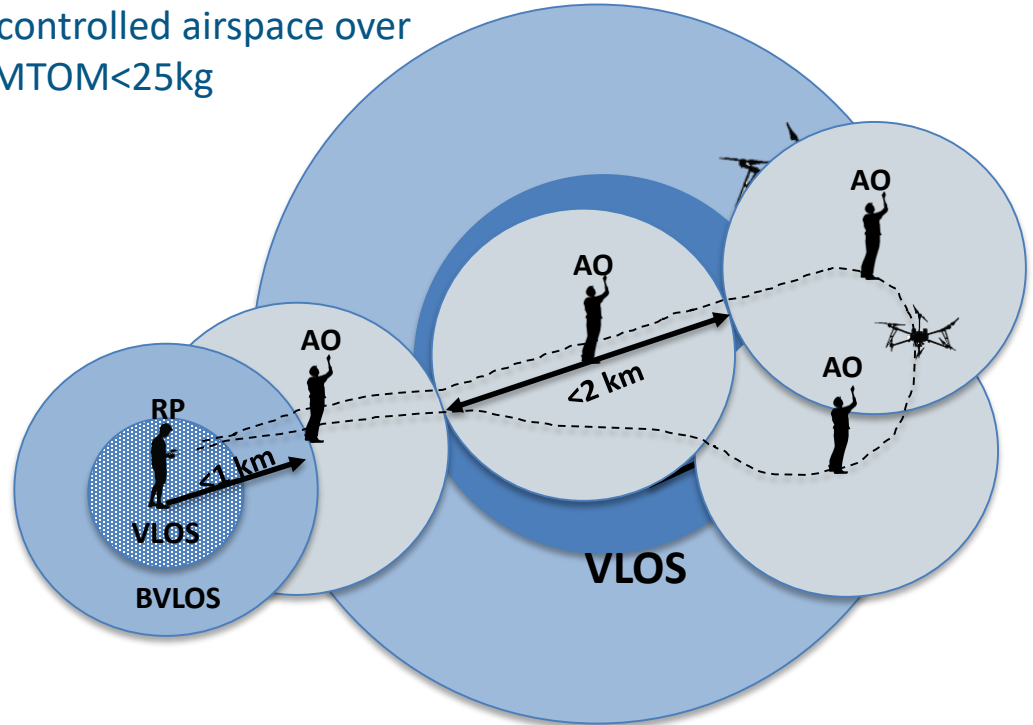
AO = airspace observer

BVLOS

Using airspace observers (AO)

No limit in the number of AOs however no gaps

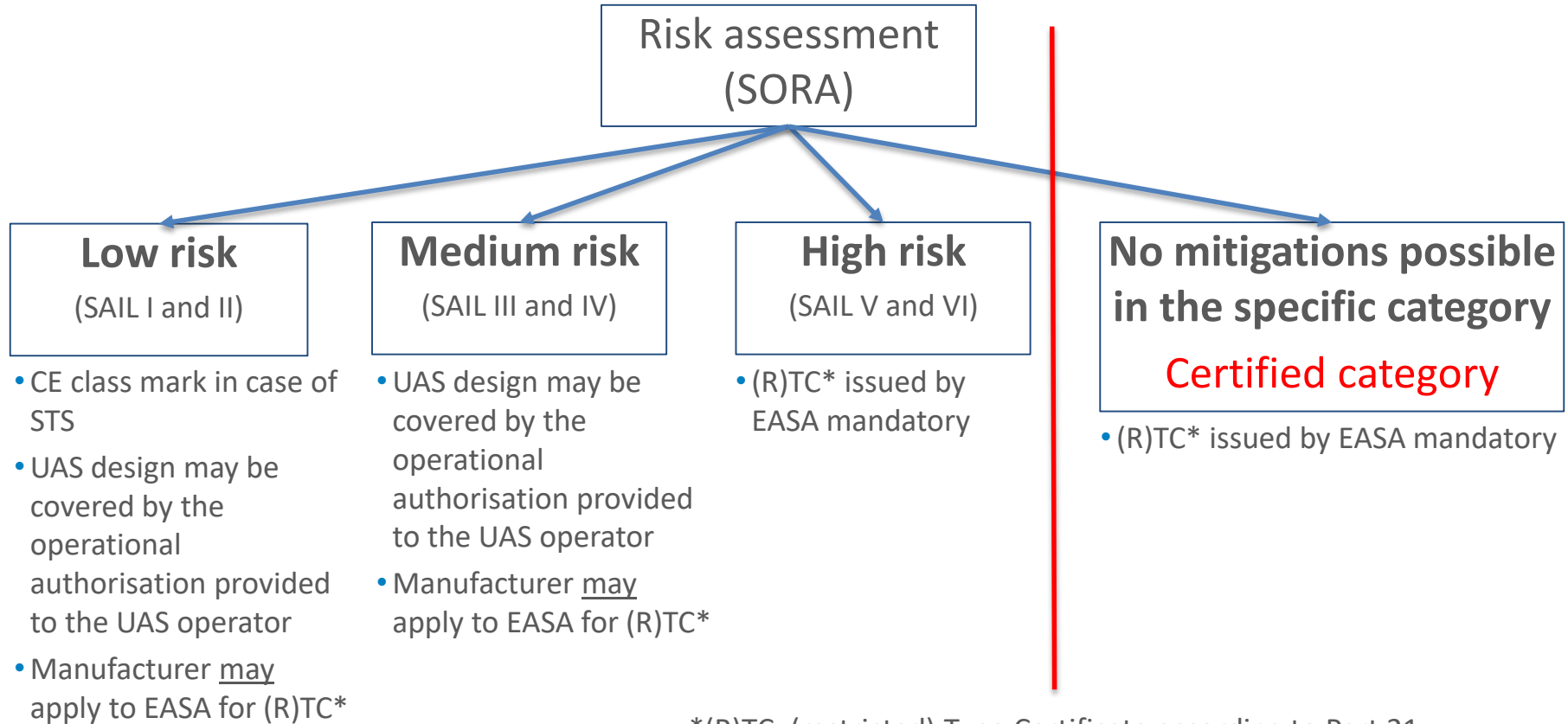
between the zones covered, needs to be ensured



Specific category – PDRA in development


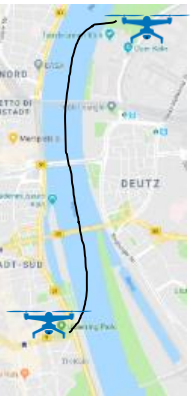
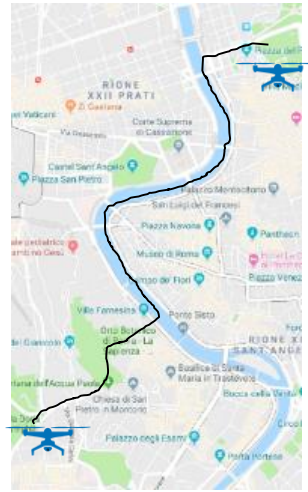
- PDRA mirroring STS 01 and 02 to allow the same operations however with a UAS without C5 or C6 class marking
- **PDRA-02:** BVLOS, below 120m in uncontrolled airspace, over sparsely populated area, with UA <3m dimensions
- **PDRA-03:** BVLOS, in restricted airspace, over sparsely populated area, with UA <3m dimensions
- NPA planned for 2020

Specific Category — Certification of UAS

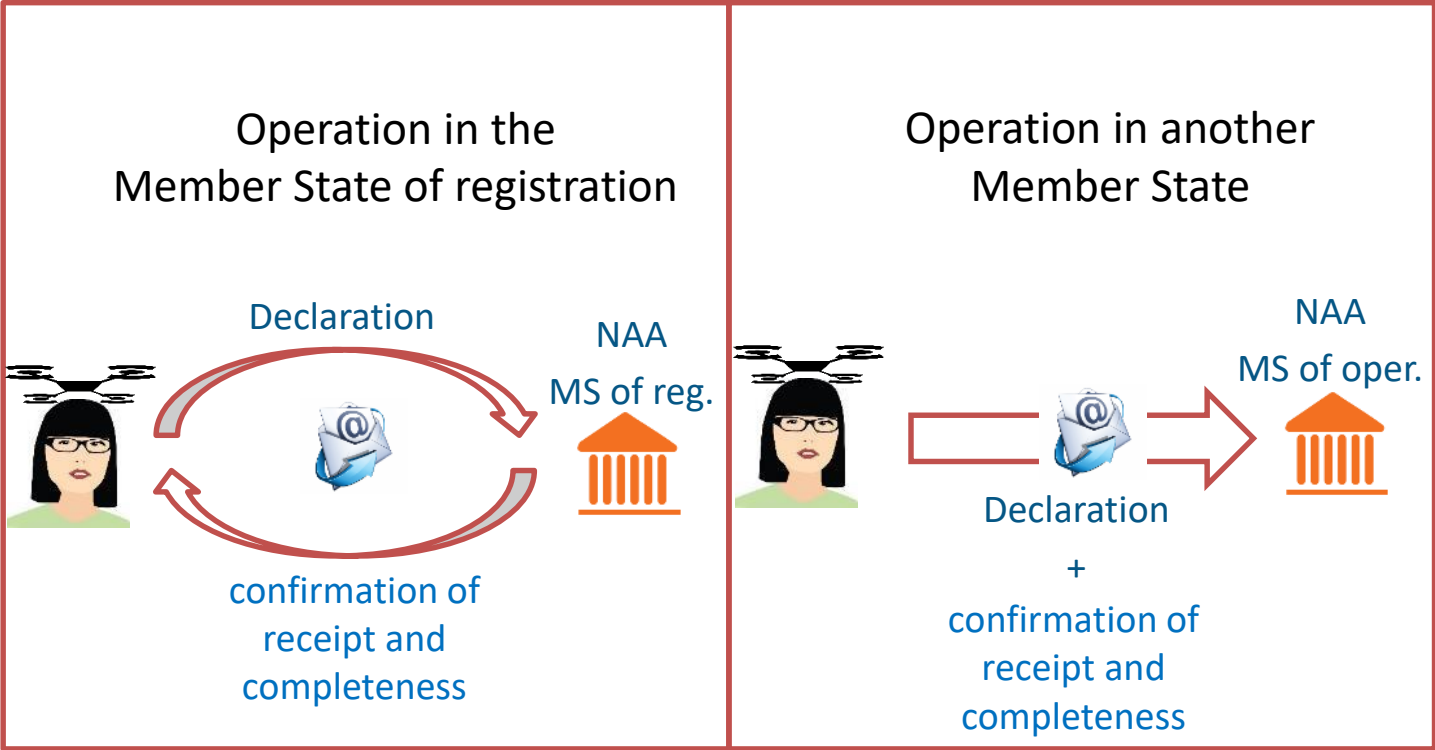


*(R)TC=(restricted) Type Certificate according to Part 21

Specific Category Cross-Border Operations

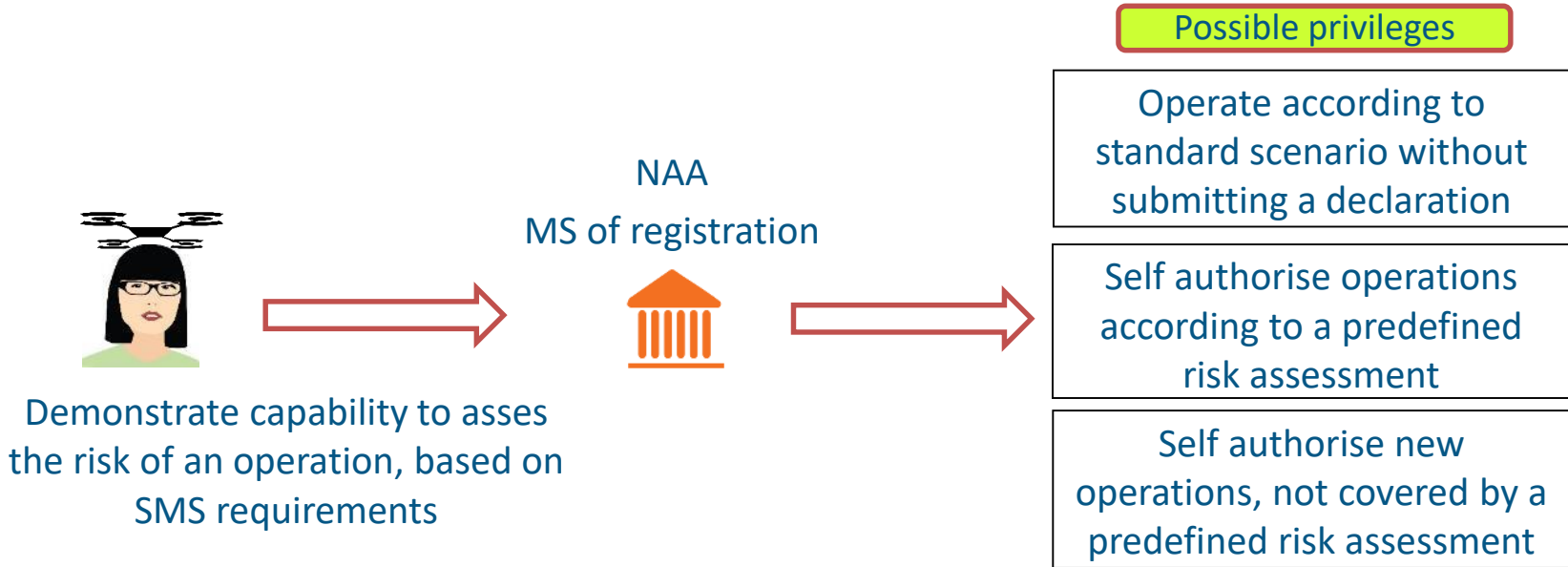
Operation in the Member State of registration	Operation in another Member State
 <p data-bbox="347 316 927 414">Operation in the Member State of registration</p> <div data-bbox="483 491 743 829"><p>Operational authorisation</p><ul style="list-style-type: none">✓ Risk assessment✓ Mitigations✓ Operational safety objectives<p>Authorised</p><p>NAA of MS of registration</p></div> 	<p data-bbox="1139 316 1564 414">Operation in another Member State</p> <div data-bbox="1072 491 1342 829"><p>Statement of acceptance</p><p>Revised mitigations for:</p><ul style="list-style-type: none">✓ local airspace,✓ terrain,✓ population✓ climate<p>Accepted</p><p>NAA of MS of operation</p></div> 

Specific Category Cross Border Operations



The Light UAS Operator Certificate(LUC)

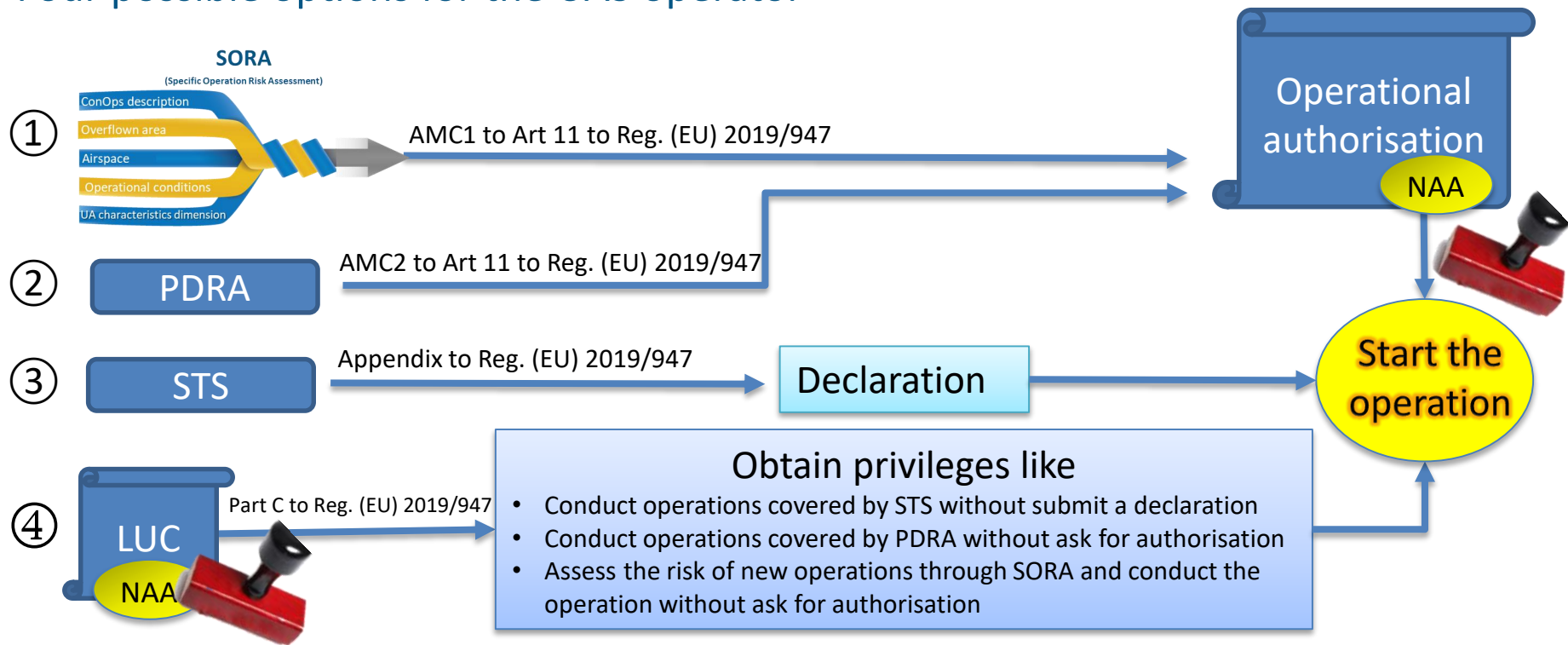
Voluntary Certification



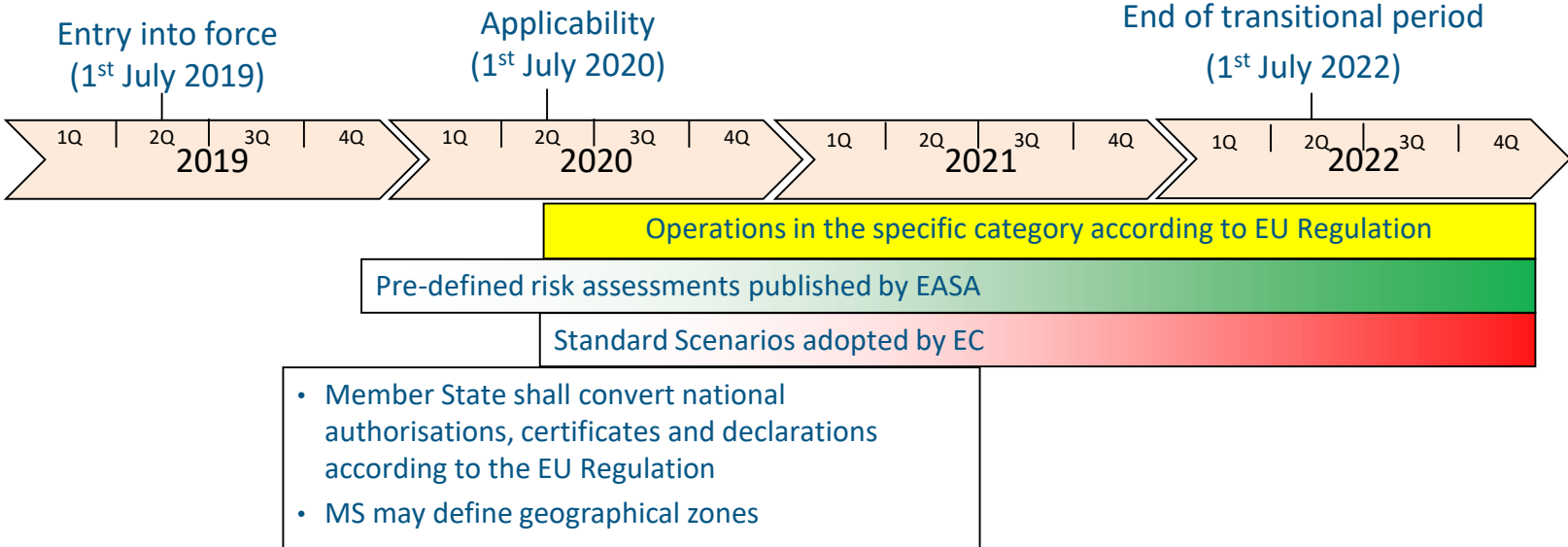
A LUC is valid in all EU Member States, without additional demonstrations

The 'Specific' Category - Summary

Four possible options for the UAS operator



Timeline



You are the pilot!



<https://easa.europa.eu/drones/>

Your safety is our mission.