

S9.1 Part 1: Definition of system

for the development of an STM ATB

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Contents

1	Preface	4
1.1	Introduction	4
1.2	References	4
2	System Definition	4
2.1	Project Scope and System Description	4
2.2	System documentation stored in Polarion	5
2.3	Applicable System Version	6

1 Preface

1.1 Introduction


Text, STMA-82222 - This document is part 1 of the Generic Product Safety Case for an STM ATB (Specific Transmission Module for Automatische Treinbeïnvloeding). The STM ATB has been developed as part of the ERTMS Program in the Netherlands.

The project consists of the development of an STM ATB, which can be used in combination with an ERTMS Onboard system to run on conventional tracks in the Netherlands fitted with ATBEG.

The project delivers a "Blueprint" for the STM ATB, which means a technical file that enables third parties to produce, test and commission the STM for retrofit projects and newly built trains.



1.2 References

Text, STMA-33928 - Reference documents



All the documents references used in this document can be found in the document  [P6.1](#)

[Bibliography](#) available in the Polarion folder  [Processes](#)

Abbreviations, definitions and terminology

An overview of the abbreviations, definitions and terminology used in this document can be found in document  [P6.2 List of abbreviations, definitions and terms](#) available in the Polarion folder  [Processes](#)

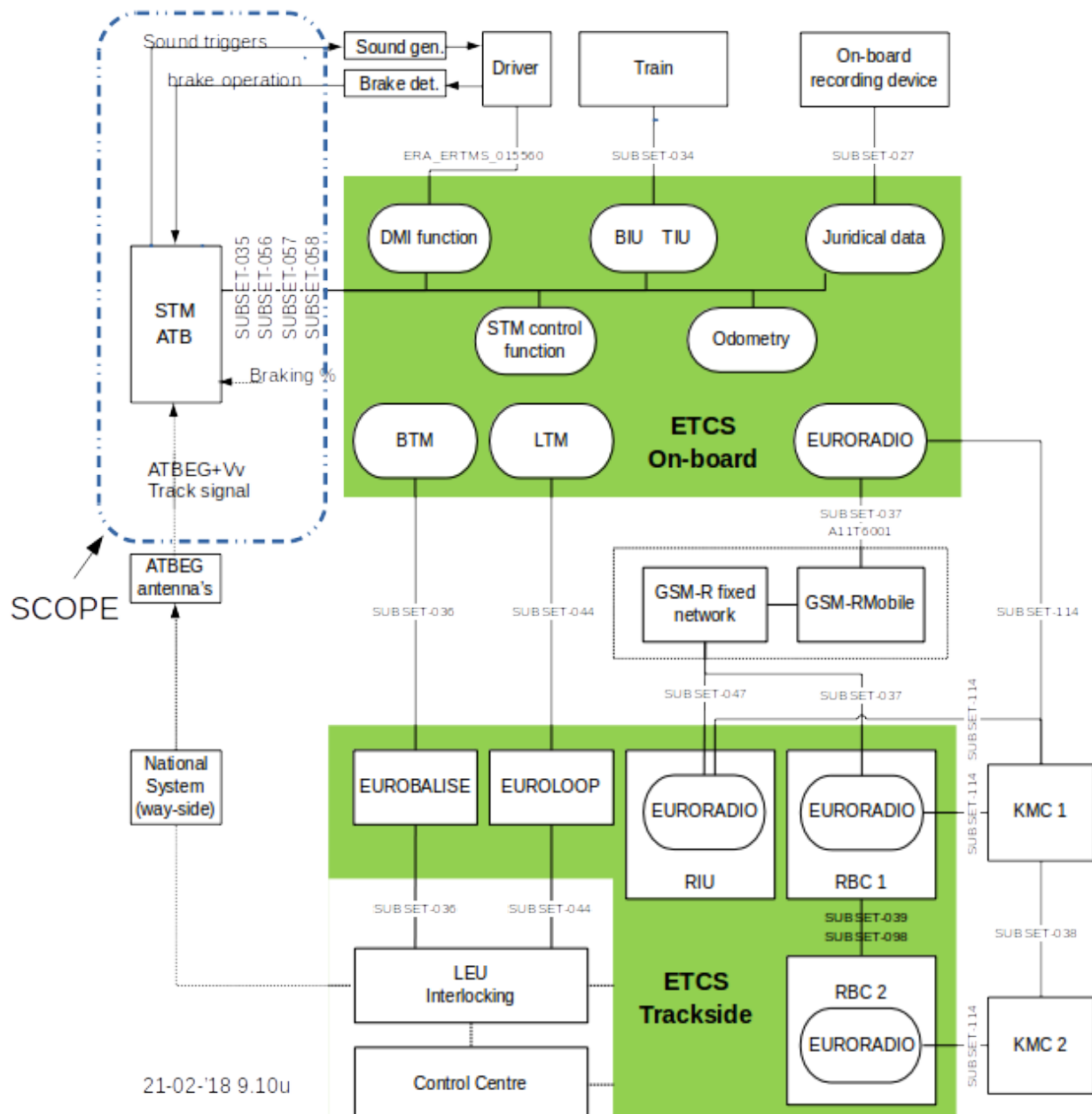
Requirement identification

The STM ATB project makes use of an automated requirement management system. In this system each requirement has been identified as a work item. Each work item has been automatically assigned with a unique ID, with the format "STMA-<number>". As a result requirement ID's are not in logical order. An overview of all the used STMA-numbers is given in document  [P6.3 Requirement Overview](#) available in the Polarion folder  [Processes](#)

2 System Definition

2.1 Project Scope and System Description

Text, STMA-78391 - (figure)



Text, STMA-78392 - More detailed information on the STM ATB such as its functions and the interfaces are described in:

D2.1 STM ATB system description


2.2 System documentation stored in Polarion

Text, STMA-78264 - The system/sub-system/equipment to which this Safety Case refers, including version numbers and modification status of all requirements, design and application documentation are contained in the Polarion system for the STM ATB project.

Text, STMA-78267 - The documents associated to this safety case can be found in:

Document List

2.3 Applicable System Version

Text, STMA-78266 - The versions of Software and Hardware of the STM ATB to which this safety case is applicable is described in:  [M9.7 SVD STM ATB V1.1001](#)