

# ETSI TS 102 352 V1.1.1 (2005-06)

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*Technical Specification*

**Satellite Earth Stations and Systems (SES);  
Broadband Satellite Multimedia (BSM);  
Transparent Satellite Star - A (TSS-A);  
DVB-S/DVB-RCS for transparent satellites**

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Reference

DTS/SES-00093

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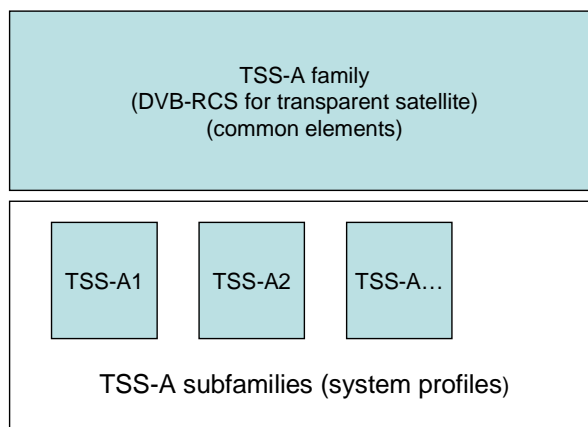
## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Satellite Earth Stations and Systems (SES).

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## Introduction

The TSS-A air interface family defines how the BSM Architecture is used with DVB-S/ DVB-RCS [1]. The overall document structure is illustrated in figure 1.



**Figure 1: TSS-A family document structure**

The document structure has 2 parts:

- A TSS-A family defining the common elements of DVB-S/ DVB-RCS for transparent satellites.
- A set of TSS-A subfamilies (TSS-A1 etc) corresponding to separate system profiles.

The present document defines the top-level TSS-A family.

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# 1 Scope

The present document defines a top-level framework for DVB-S/DVB-RCS air interfaces as defined in EN 301 790 [1] when used for transparent satellites.

This framework is used to incorporate this air interface into the BSM families of air interfaces. This air interface has been assigned the BSM name Transparent Satellite Star - A (TSS-A) using the BSM naming conventions for air interface families (TR 102 287 [3]).

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

- [1] ETSI EN 301 790: "Digital Video Broadcasting (DVB); Interaction channel for satellite distribution systems".
- [2] ETSI TR 101 790: "Digital Video Broadcasting (DVB); Interaction channel for Satellite Distribution Systems; Guidelines for the use of EN 301 790".
- [3] ETSI TR 102 287: "Satellite Earth Stations and Systems (SES); Broadband Satellite Multimedia (BSM); IP Interworking over satellite; Security aspects".

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# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the terms and definitions given in EN 301 790 [1] and TR 101 790 [2] apply.

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in EN 301 790 [1], TR 101 790 [2] and the following apply:

BSM	Broadband Satellite Multimedia
TSS	Transparent Satellite Star

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# 4 Requirements

All elements of EN 301 790 [1] shall apply as far as the star architecture is concerned.

The associated guidelines in TR 101 790 [2] shall also apply with the same restriction.

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## History

<b>Document history</b>		
V1.1.1	June 2005	Publication