ICS 49.140 SLOVENSKÁ TECHNICKÁ NORMA Február 2021

STN	**SCM** **Plánovacia a príkazová správa** **Norma**	**STN** **EN 17350** 31 0551

SCM - Scheduling and Commanding Message - Standard

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/21

Obsahuje: EN 17350:2020

131775

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2021
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 17350

August 2020

ICS 49.140

English version

SCM - Scheduling and Commanding Message - Standard

SCM - Message de planification et de commande - Norme

SCM - Planungs- und Befehlsnachricht - Standard

This European Standard was approved by CEN on 17 May 2020.

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European foreword

This document (EN 17350:2020) has been prepared by Technical Committee CEN/CLC/JTC 5 “Space”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

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0 Introduction

0.1 Document structure

Clause 2 provides an overview of the SCM.

Clause 3 describes the scope and general nature of the SCM.

Clause 4 describes the general format of the SCM standard.

Clause 5 describes the detailed syntax of SCM communications.

Clause 6 provides additional information about headers.

Annex A (informative) provides SCM background.

Annex B (informative) provides SCM examples.

Annex C (informative) describes the survey strategy types and related parameter requirements.

Annex D (informative) informs about the handling of filter requests.

0.2 Verbal conventions

The following conventions apply:

a) 'shall' implies a requirement;

b) 'should' implies a recommendation;

c) 'may' implies a permission; and

d) 'is', 'are', and 'will' denote factual statements.

1 Scope

1.1 Purpose

The “Scheduling and Commanding Messages” (SCM) specifies a standard format for observing system commanding and scheduling. This document aims to ease the planning and operation processes and to reduce the efforts from researchers that use several different observing systems and/or simulation software products.

The SCM establishes a common language for exchanging information on planning, scheduling, and executing observations of celestial objects. In the end this will:

a) Facilitate interoperability and enable consistent warning between data originators who supply celestial observations and the entities or researchers who use it; and

b) Facilitate the automation of observation processes.

1.2 Applicability

The SCM is applicable to ground-based activities related to the planning, scheduling, and execution of the observations of celestial objects. It is used by planning software, scheduling software, telescope commanding software. It is applicable for optical telescopes.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN