
**Industrial automation systems and
integration - Product data
representation and exchange -**

Part 243:

**Application protocol: For modelling
and simulation information in a
collaborative systems engineering
context (MoSSEC)**

*Systèmes d'automatisation industrielle et intégration - Représentation
et échange de données de produits -
Partie 243: Protocole d'application: Pour l'information de modélisation
et de simulation dans le contexte de l'ingénierie système collaborative*



Reference number
ISO 10303-243:2021(E)

This zipped file contains the publication ISO 10303-243:2021 in HyperText Markup Language (HTML) format.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Abstract

This document specifies the use of the integrated resources necessary for the scope and information requirements for modelling and simulation information in a collaborative systems engineering context (MoSSEC).

The following are within the scope of this document:

- the representation of the collaborative understanding of the requirements and their verification;
- the representation of the elements that together comprise a set of "results" for a study including the audit-trail of what is to be done, and what has been done, and evolution;
- the representation of the definitions of models and key values that are part of the modelling;
- the representation of information concerning organization and person in those organizations;
- the representation of properties and documents;
- the representation of a collaborative package of work that is launched to drive the evolution and maturity of something;
- the identification of a breakdown of something, the identification of the elements that comprise a breakdown, the parent-child relationships between breakdown elements and the identification of relationships between elements in different breakdowns;
- the representation of interfaces including connections, ports and definitions;
- the identification of which breakdowns, interfaces and models are included in an architecture;
- the representation of key values as distributions enabling the representation of uncertainties;
- the representation of justifications, assumptions and approvals to aid and record decision making;
- the representation of information used for security and trust so each organization is then to be able to enforce their own human resources and security policies.

NOTE 1 A discussion and illustration of the scope is provided in Annex G

The following are outside the scope of this document:

- the detailed format and content of the modelling and simulation data;
NOTE 2 ISO 10303-243 is agnostic of the type of modelling and simulation and the subsequent model data.
- specific business processes.

Installation

This publication has been packaged as a zipped file. Copy it to the desired location in your local environment. Once the file has been copied to your local environment, open the file to unzip its contents. For compound documents (e.g. HTML documents comprising several files or folders, documents that have been subdivided owing to the total file size, etc.), in order for the links between documents to function properly, the file and folder names must be maintained and all the files stored in the same folder.

Where the zip file contains a Readme file, it is essential to consult this file to understand the way in which the document has been structured.