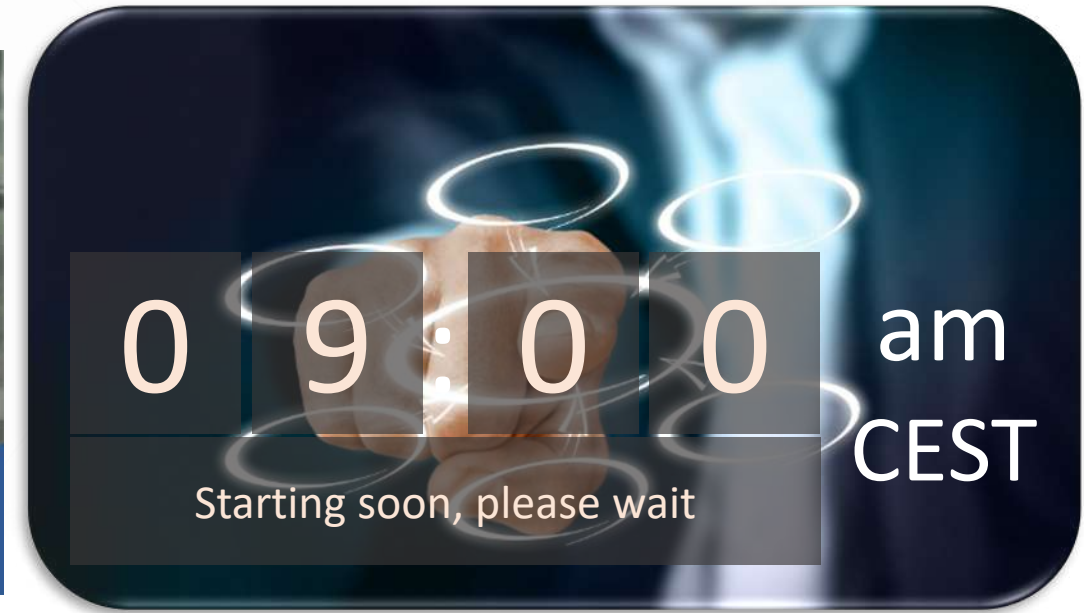


How to avoid duplicated requirements

JOSÉ FUENTES
CHIEF SALES OFFICER



➤ Webinar rules:

- You'll be muted all along the Webinar
- There's a *Question* section to ask your questions or send your comments whenever you want
- If you have any technical issue, please use the chat box (not the *Question*)
- The Webinar will be recorded. A link to the recording will be sent to you in few days

HOW TO AVOID DUPLICATED REQUIREMENTS: SYSTEMS ENGINEERING SUITE



José M. Fuentes

The REUSE Company

Chief Operating Officer

jose.fuentes@reusecompany.com



THE
REUSE
COMPANY

CONTENTS

- Introduction to The REUSE Company and the speaker
- The impact of duplicated requirements
- Semantic search capabilities in the SES Suite
- Real-time detection of similar requirements
- Detection of overlapped requirements in a document
- Live demo
- Q&A

ABOUT THE REUSE COMPANY (TRC)



WHEN?

01 The company was established in 1999

As a spin-off of a University in Madrid



WHO?

02 System + Software Engineers

Smart combination between Company staff and R&D from Academia



WHERE?

03 Headquarters: Madrid (Spain)

International offices:
Miami (USA)
Stockholm (Sweden)
Tokyo (Japan) Delegation



WHY?

04 To promote a **reusable, scalable** and global solution to a **smart** and **interoperable** Systems Engineering environment, by offering a **semantic knowledge centric** approach.

THE REUSE COMPANY

Is a tool vendor specialized in the application of
SEMANTIC TECHNOLOGIES and
ARTIFICIAL INTELLIGENCE to improve the
digitalization of the Systems Engineering life cycle.



➤ **The Systems ENGINEERING Suite:**

- RQA – QUALITY Studio
- RAT – AUTHORIZING Tool
- TRACEABILITY Studio
- V&V Studio
- KM – Knowledge Manager

➤ **SES ENGINEERING Studio:**

- TMx
- HUBx
- REx
- KMx
- SLCMx

THE PRESENTERS

José Fuentes



- **Current Position:** Chief Sales Manager of The REUSE Company
- Former Product Manager of RQA and the Systems Engineering Suite
- INCOSE CSEP Certified
- Graduated in the INCOSE Institute for Technical Leadership
- Member of the board of AEIS – The Spanish chapter of INCOSE
- Active contributor to the INCOSE Guide to Writing Requirements
- Other certifications: ITIL
- Other interests: Project Management, Business Analysis, Risk Management

TRC
Intro



What we do

Tools and platforms

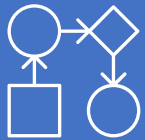
International Standards

Handbooks

01

WHAT WE DO

01



**SES TMP
TMX**

Technical Management
Processes:
Quality
Traces
DMS
V&V

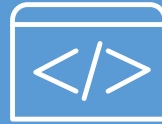
02



**SES INTEROP
HUBX**

Interoperability HUB
Connectivity to
External Sources

03



**SES REQ ENG
REX**

SMART Requirements
Engineering
Using MS Word as
Tech Platform

04



**SES SLCM
SLX**

Knowledge and Information
Management
Requirements reuse
Virtual Assistants
Search eng.
Ontologies
PLE

05



**SES SLCM
SLX**

System Lifecycle
Management





02



TOOLS AND PLATFORMS

All these capabilities are seamlessly integrated into a **wide variety of tools and platforms:**

- IBM, Siemens, PTC, Dassault, Capella, MagicDraw/Cameo, Simulink
- And other Requirements, MBSE, ALM and PLM tools, including MS Office





THE IMPACT OF DUPLICATED REQUIREMENTS

DUPLICATED REQUIREMENTS



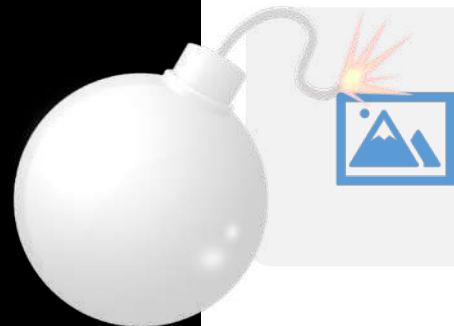
“A pair of duplicated requirements can be conceived as two requirements with a level of similarity to the extent that one of them can be eliminated without losing relevant information.” Natt et. al.

This problem is more and more frequent due to:

- Complexity of the systems
- Multiple changes and versions
- In Systems Engineering projects, the multidisciplinary nature that this involves
- Multiculturality, de-localized teams, high rate of rotation in the teams, different companies as partners for the same project, Systems-of-Systems



The impact of duplicated requirement



Consistency:

what if the “duplicated pair” does not mean exactly the same?
Are contradictory?
Dictate different reactions under the same event?



Conflicts with other process:

Traceability
Modelling
Verification



Duplicity of tasks:

Time and money



Image:

in front of your customers,
partners,
teammates...



Solution:



Controlled vocabularies:
project data dictionaries



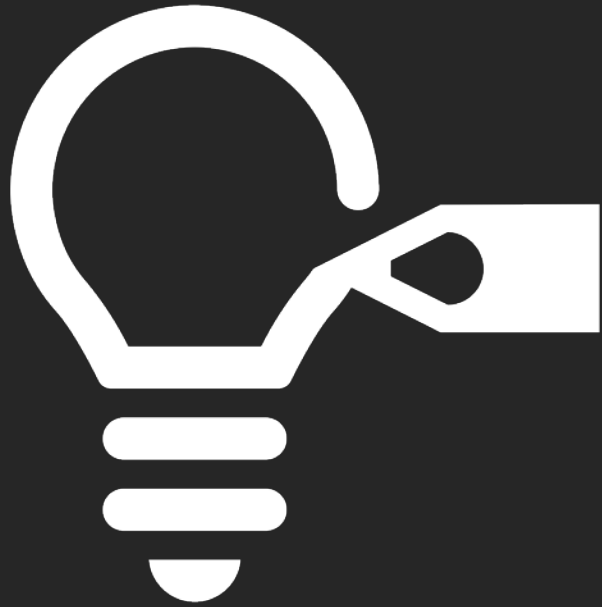
Requirements patterns:
EARS, SOPHIST, INCOSE...



Advanced Authoring tools:
RAT – Rich Authoring Tool



Semantic search engines:



SEMANTIC TECHNOLOGY

THE ONTOLOGY FOR KCSE

01

Vocabulary

Controlled Organizational and Project Vocabulary for a common understanding among stakeholders

02

SCM/Architectures

Recreate and capture the system architectures represented in views and models. Stablish relationships among system and system elements

03

Patterns

Represent requirements similarities and enable formal representation, automatic recognition and aid authors



05

Reasoning

A combination of rules, tasks and groups to infer information from valuable assets

04

Formalization

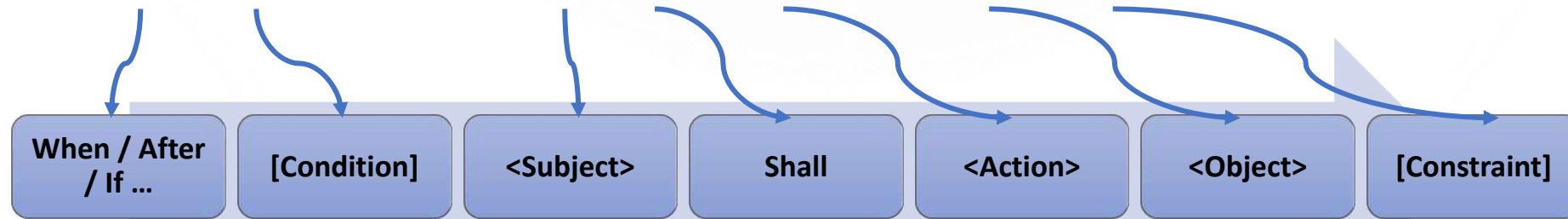
Representation of assets semantic through SRL – System Representation Language



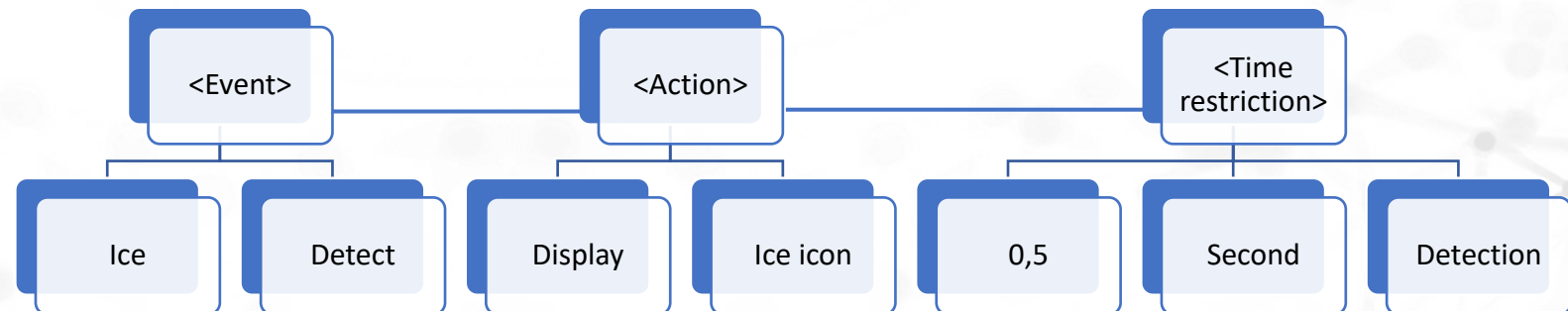
SEMANTIC INDEXING PROCESS

➤ Inputs and outputs:

SR0254: “When ice is detected, the car shall show an ice icon in less than 0,5 s from its detection”



Semantic formalization
(knowledge graph):





SEMANTIC RETRIEVAL

➤ Based on patterns, formalization and knowledge bases:

StR0168 - The **targets** shall be **detected** by the **Electromagnetic sensor** with a frequency not lower than **10 units per second**

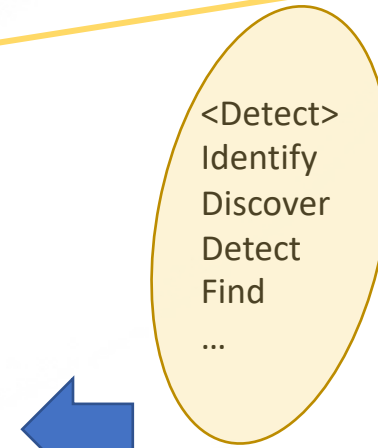
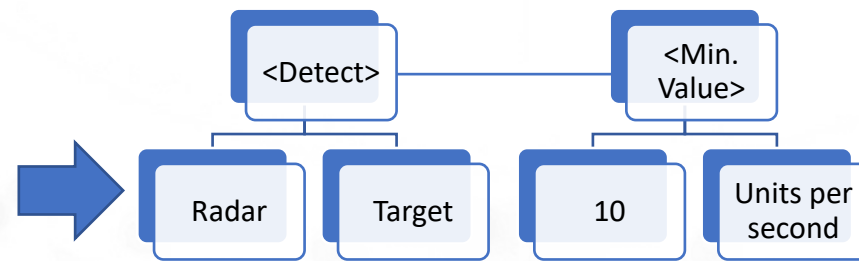
SyR0451 - The **Radar** shall **identify hits** at a minimum rate of **10 units per second**

StR0168

The targets shall be detected by the Electromagnetic sensor with a frequency not lower than 10 units per second

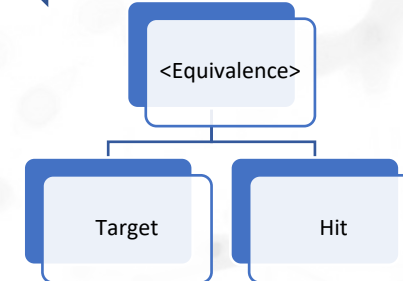
SyR0451

The Radar shall identify hits at a minimum rate of 10 units per second

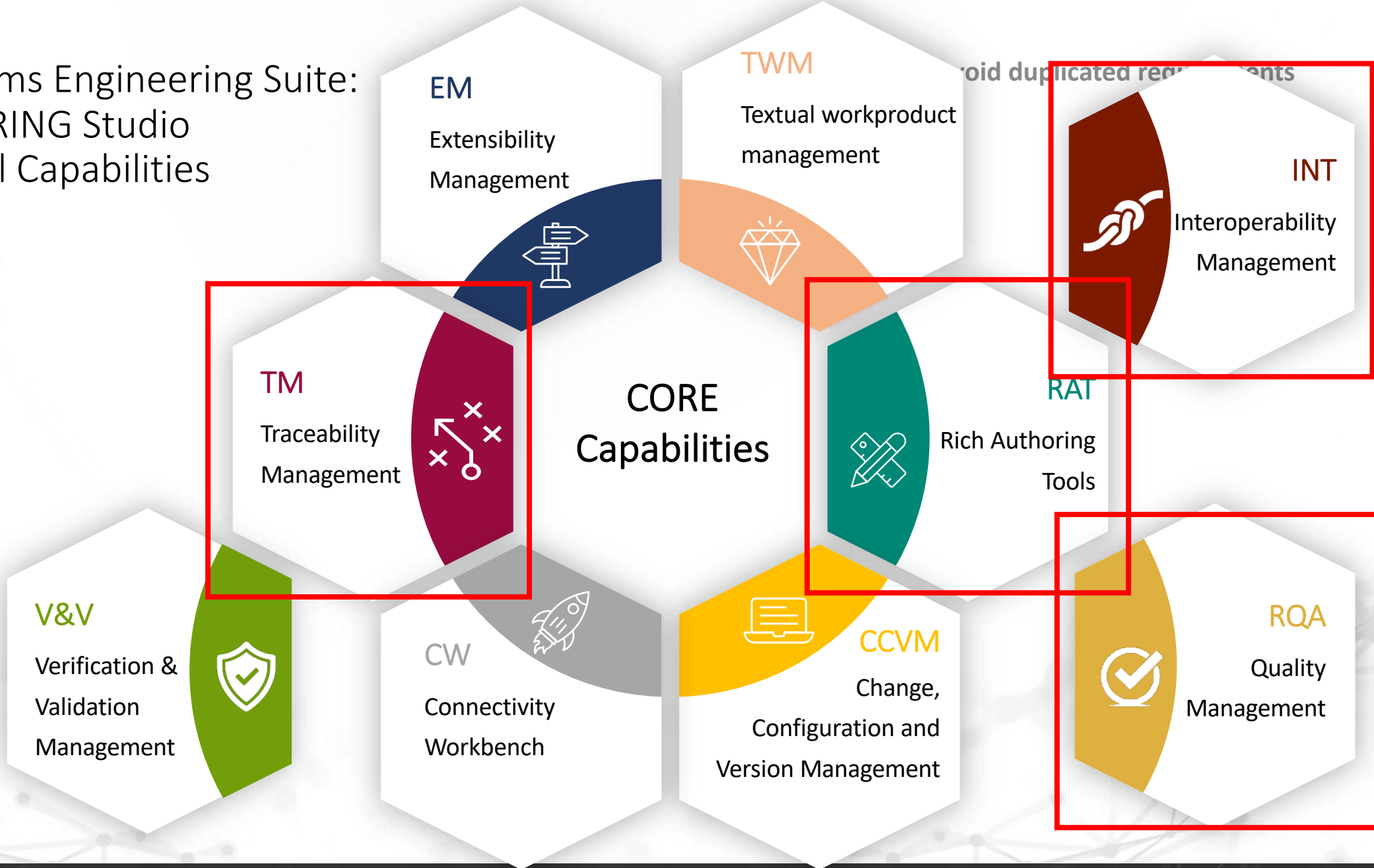
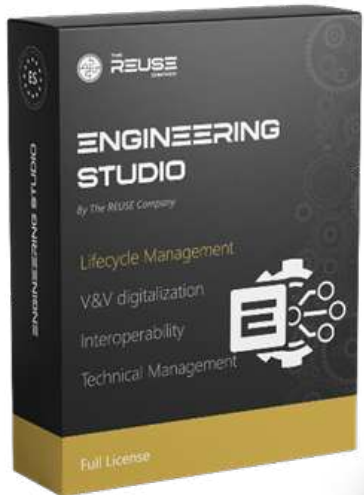


Taxonomy:

- System
- .Electromagnetic device
- ..Electromagnetic sensor
- ...Radar

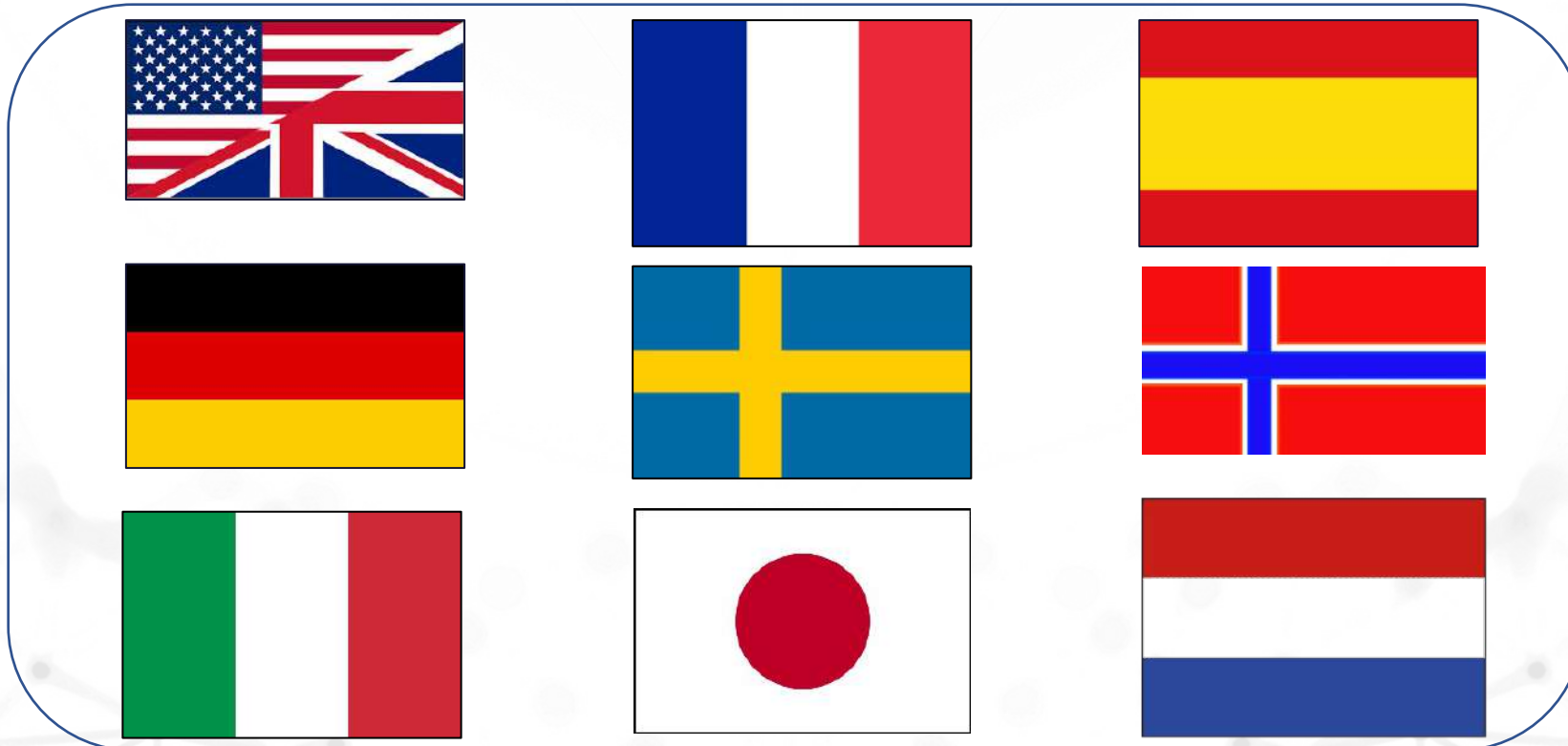


The Systems Engineering Suite: ENGINEERING Studio Additional Capabilities



SUPPORTED LANGUAGES

- The technology provided by TRC is highly dependent of the language of the texts
- Languages supported so far:





REAL-TIME DETECTION OF SIMILAR REQUIREMENTS

REAL-TIME DETECTION: FORMAL REPRESENTATION

The screenshot displays the 'Editing SysR-80 - RAT plugin for DOORS' window. The main editor shows a requirement: 'The maximum power consumption of the Temperature Warrior shall be 4000 W.' The 'View' menu is open, showing 'Quality tabs' and 'Quality tabs - Advanced' options. A 'Correctness metrics summary' panel on the right shows a 'High Quality' status with a value of 0.00. Below the editor, the 'Other quality elements' section is active, showing 'Formal representation' information. This includes a 'Pattern matching information' tree and a 'Formal representation model' containing logical expressions for the requirement's components.

Correctness metrics summary:

Metric	Value
High Quality	0.00

[Suggest manual assessment](#) Ready

Other quality elements:

Correctness | Consistency | Completeness | Similar requirements | Syntactic information | **Formal representation**

Pattern matching information:

- Id: 5152; [[Maximum] <Property> of <System> shall be [<Operator>] NUMBER UNIT]; Matches:
 - The
 - Maximum
 - Power consumption
 - Of
- Id: 5148; [<System>]; Matches: "the temperature warrior"
 - The
 - Temperature Warrior

Formal representation model:

- «MEASURE»: (Power consumption, W) - Generated by '[[Maximum] <Property> of <System> shall be [<Operator>] NUMBER UNIT]'
 - Power consumption
 - W
- «Property»: (Temperature Warrior, Power consumption) - Generated by '[[Maximum] <Property> of <System> shall be [<Operator>] NUMBER UNIT]'
 - Power consumption
 - Temperature Warrior
 - <generic number>

{ Temperature Warrior } { Power consumption } <= 4000 { W }

Save and close | Cancel

REAL-TIME DETECTION: SEMANTIC SIMILARITY SEARCH

Editing SysR-80 - RAT plugin for DOORS

File Tools Suggestions View Log

Authoring with pattern '[Maximum] <Property> of <System> shall be [<Operator>] NUMBER UNIT'

02.01 - System Physical Requirements (6) [Maximum] <Property> of <System> shall be [<Operator>] NUMBER UNIT

Description: [Maximum] <Property> of <System> shall be [<Operator>] NUMBER UNIT
Define constraints on weight, volume, and dimension applicable to the system elements that compose the system.

Font: Tahoma, Font Size: 10

The maximum power consumption of the Temperature Warrior shall be 4000 W.

Correctness metrics summary:

High Quality 0.00

Metric	Value

[Suggest manual assessment](#) Ready

Other quality elements:

Correctness Consistency Completeness **Similar requirements** Syntactic information Formal representation

Inclusion

The "Inclusion" method means that the process will check if the editing workproduct formalization elements are included within the target formalization(s). This process will produce a similarity value.

Similarity

The "Similarity" method means that the process will check how similar are the editing workproduct formalization and the target formalization(s) based on the common elements and the density of the formalizations. This process will produce a similarity value.

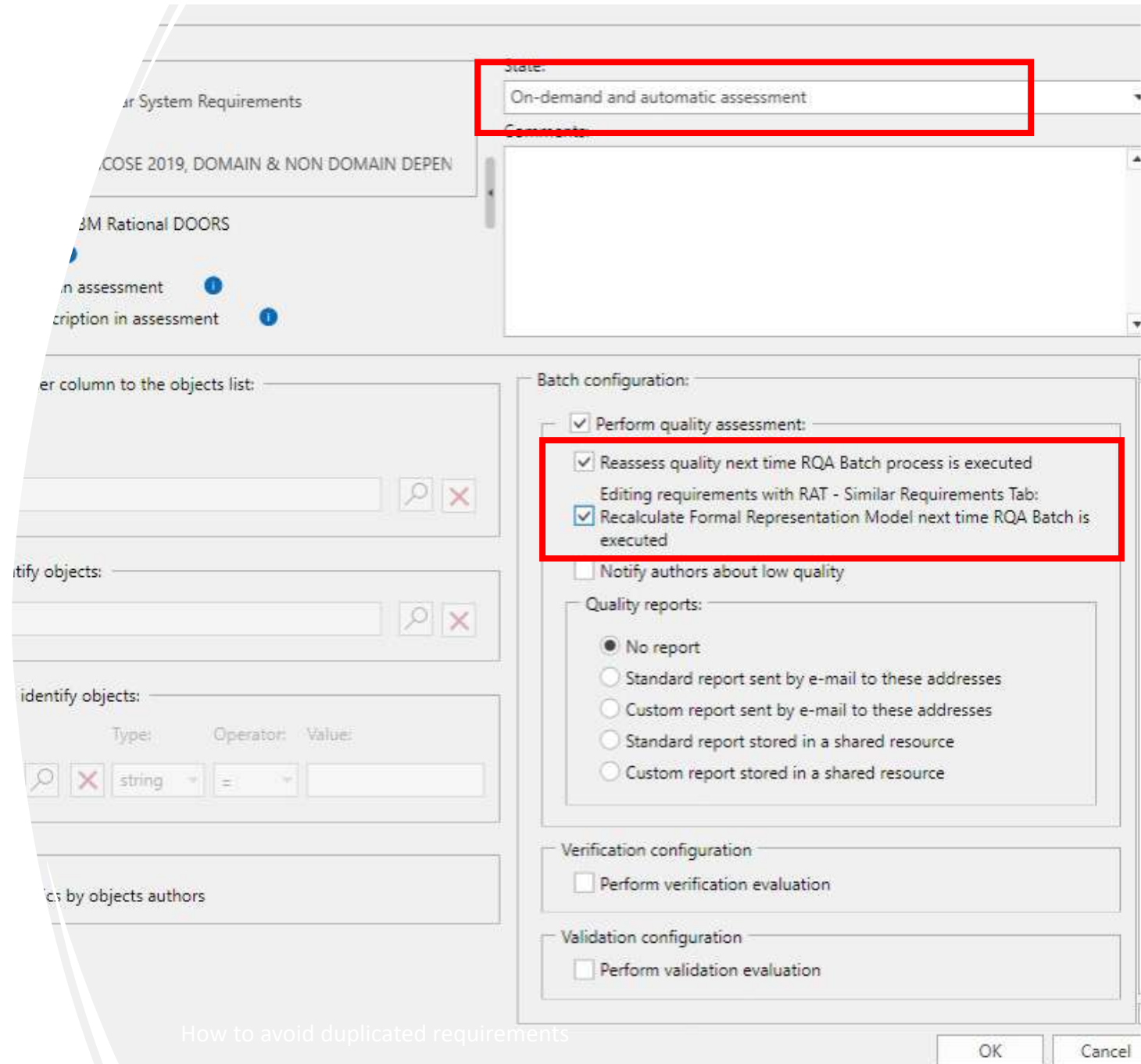
Code	Author	Description	Similarity
SysR-81	jmfuentes	The maximum power of each component of the Temperature Warrior shall be inferior to 2000 W.	58

No. Overlapping workproducts: 1 (Searching among 154 objects with formal representation model in Temperature War System Requirements)

Save and close Cancel

Real-time detection: semantic similarity search

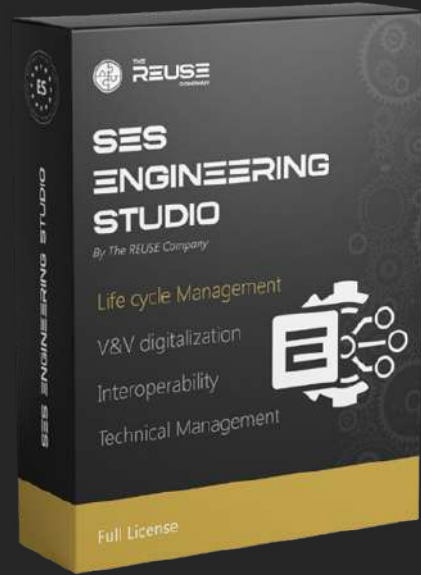
- Two options for a requirement to be searchable:
 1. When it's created with RAT
 2. When forced from RQA or ENGINEERING Studio



REAL-TIME DETECTION: SEMANTIC INDEXING

The screenshot shows the 'Systems Engineering Suite Server' configuration window. The interface includes a menu bar with 'File' and 'Systems Engineering Suite Server'. Below the menu is a toolbar with icons for License, Roles & User Management, Security management, Scheduled task, Email notification, SKB Assets, Repositories, NLP Configurations, Started, and Stop. The main area is divided into three sections: 'Batch process info' with fields for 'Quality process level' (set to 'Don't delete already computed quality'), 'Verbose mode' (set to 'Info'), and 'Log file' (set to 'd:\temp\logs'); 'Scheduled task' with fields for 'Hour' (1), 'Minute' (0), and 'Periodicity' (7), and a red error message 'Not loaded the scheduled task'; and 'SES database configuration' with an 'Oracle client installation path' field.

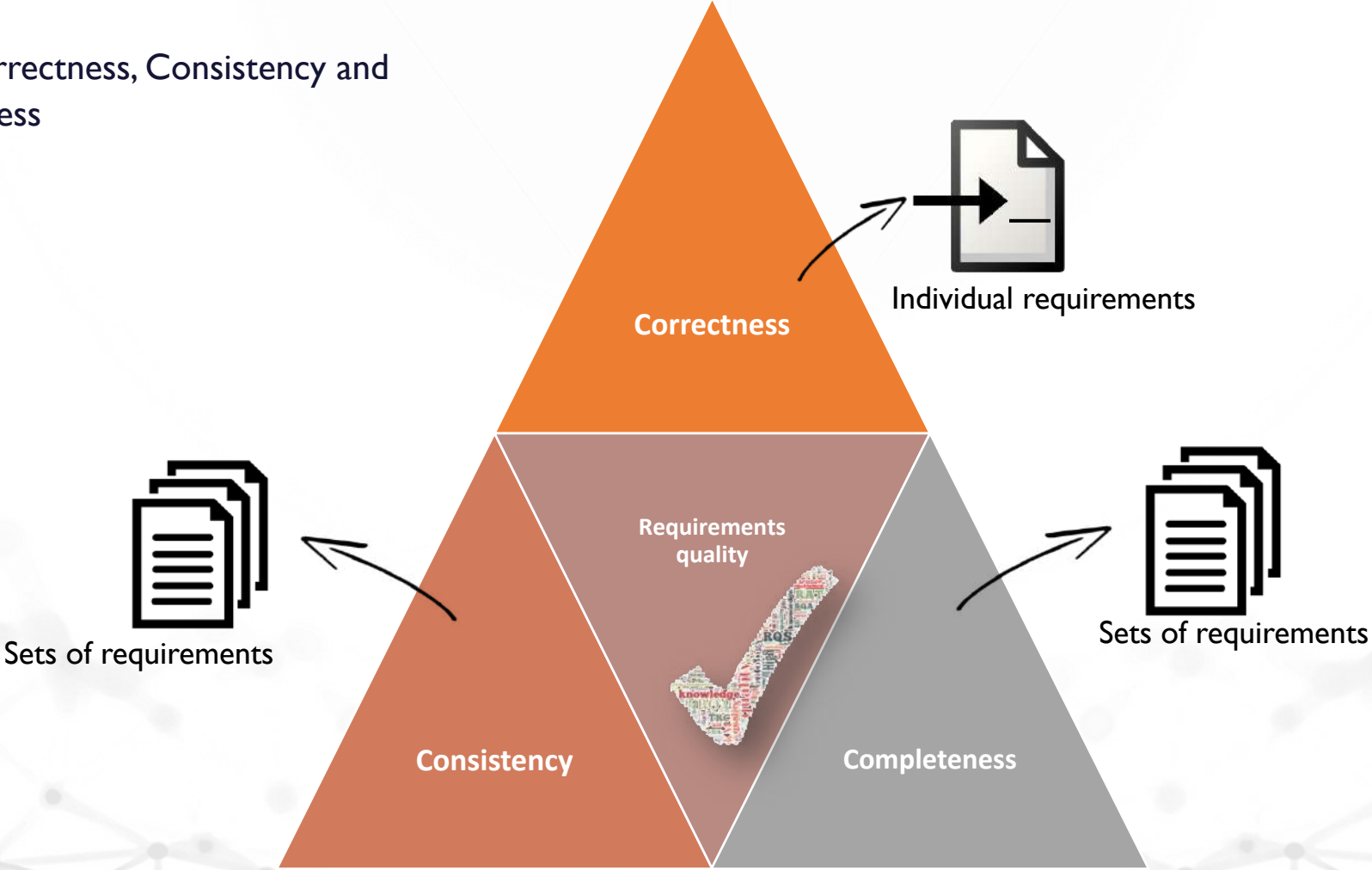
```
RQA Batch
Batch process executing...
Storing conflictive measurement units results...
Conflictive measurement units results stored successfully.
11/28/2023 6:10:24 PM: (52794)'52794' --> Elapsed time for assessment: 00:00:10.6124398 s
Terminology Coverage Metric -- Time Calculating Stats || Time Loading Terms in the specification --> 00:00:00.0047446
Terminology Coverage Metric -- Time Calculating Stats || Time Calculating Stats --> 00:00:00.0081328
Terminology Coverage Metric -- Time Calculating Stats --> 00:00:00.0150439
Terminology Coverage Metric -- Time Serializing Results --> 00:00:00.0149101
Terminology Coverage Metric -- Total Time Spent --> 00:00:00.0303642
Terminology Coverage Metric -- Time Calculating Stats || Time Loading Terms in the specification --> 00:00:00.0018732
Terminology Coverage Metric -- Time Calculating Stats || Time Calculating Stats --> 00:00:00.0003978
Terminology Coverage Metric -- Time Calculating Stats --> 00:00:00.0030414
Terminology Coverage Metric -- Time Serializing Results --> 00:00:00.0022856
Terminology Coverage Metric -- Total Time Spent --> 00:00:00.0057476
Storing conflictive measurement units results...
Conflictive measurement units results stored successfully.
Terminology Coverage Metric -- Time Calculating Stats || Time Loading Terms in the specification --> 00:00:00.0598713
Terminology Coverage Metric -- Time Calculating Stats || Time Calculating Stats --> 00:00:00.0009649
Terminology Coverage Metric -- Time Calculating Stats --> 00:00:00.0619978
Terminology Coverage Metric -- Time Serializing Results --> 00:00:00.0054366
Terminology Coverage Metric -- Total Time Spent --> 00:00:00.0679571
Terminology Coverage Metric -- Time Calculating Stats || Time Loading Terms in the specification --> 00:00:00.0554811
Terminology Coverage Metric -- Time Calculating Stats || Time Calculating Stats --> 00:00:00.0004874
Terminology Coverage Metric -- Time Calculating Stats --> 00:00:00.0566374
Terminology Coverage Metric -- Time Serializing Results --> 00:00:00.0017757
Terminology Coverage Metric -- Total Time Spent --> 00:00:00.0587553
```



DETECTION OF OVERLAPPED REQUIREMENTS

OVERLAPPING METRIC: THE CCC APPROACH

➤ CCC – Correctness, Consistency and Completeness



OVERLAPPING METRIC: WHERE TO CONFIGURE IT?

The screenshot shows the 'Consistency metrics' section of the SES ENGINEERING Studio. A table lists several metrics, with the 'Overlapping consistency metric' selected. An 'Overlapping' dialog box is open, showing the configuration for this metric.

Metric Identifier	Name	Rationale	Enabled	While authoring	Consistency type
54.190	Accuracy R06 / TRC-M160: Avoid mixing up different m...	Avoid the use of different unit systems for the same cha...	<input type="checkbox"/>	<input type="checkbox"/>	Measurement units consistency metric
54.245	Overlapping consistency metric		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overlapping consistency metric
54.222	Properties consistency metric		<input type="checkbox"/>	<input type="checkbox"/>	
54.240	Tolerance R33 / TRC-M530: Confirms the value for a pr...	Metric confirms the value for a property which...	<input type="checkbox"/>	<input type="checkbox"/>	
54.244	Uniqueness R30 / TRC-M480: Avoid overlapping emon...	Avoid including the same or equivalent need...	<input type="checkbox"/>	<input type="checkbox"/>	
53.925	Uniqueness R30 / TRC-M480: Avoid overlapping emon...	Avoid including the same or equivalent need...	<input type="checkbox"/>	<input type="checkbox"/>	

Overlapping dialog box content:

Metric information:
 Name: Overlapping consistency metric
 Rationale: Avoid duplicated requirements since this causes a huge waste of money and time in your projects

Enabled: Assess while authoring:

Configure Overlapping consistency metric

OVERLAPPING METRIC: HOW TO CONFIGURE IT?

The screenshot shows the 'Consistency metrics' table in the SES ENGINEERING Studio. The table lists several metrics, with '54.245 Overlapping consistency metric' selected. An 'Overlapping' dialog box is open, displaying the following information:

Metric information:
 Name: Overlapping consistency metric
 Rationale: Avoid duplicated requirements since this causes a huge waste of money and time in your projects

At the bottom of the dialog, the checkbox 'Configure Overlapping consistency metric' is checked and highlighted with a red box. Other options include 'Enabled' (checked) and 'Assess while authoring' (unchecked).

Metric Identifier	Name	Rationale	Enabled	While authoring	Consistency type
54.190	Accuracy R06 / TRC-M160: Avoid mixing up different m...	Avoid the use of different unit systems for the same cha...	<input type="checkbox"/>	<input type="checkbox"/>	Measurement units consistency metric
54.245	Overlapping consistency metric		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overlapping consistency metric
54.222	Properties consistency metric		<input type="checkbox"/>	<input type="checkbox"/>	
54.240	Tolerance R33 / TRC-M530: Confirms the value for a pr...	Metric confirms the value for a property which...	<input type="checkbox"/>	<input type="checkbox"/>	
54.244	Uniqueness R30 / TRC-M480: Avoid overlapping emon...	Avoid including the same or equivalent need...	<input type="checkbox"/>	<input type="checkbox"/>	
53.925	Uniqueness R30 / TRC-M480: Avoid overlapping emon...	Avoid including the same or equivalent need...	<input type="checkbox"/>	<input type="checkbox"/>	

OVERLAPPING METRIC: HOW TO CONFIGURE IT?

The screenshot shows the 'Overlapping consistency metric configuration' dialog box in the SES ENGINEERING Studio. The dialog has two tabs: 'Source' and 'Target'. Both tabs are currently selected, showing identical configuration fields:

- Database: 36677@kcs-laptop-23.kcs.local
- Project: Temperature War - Requirements Specification
- Module: Temperature War System Requirements
- Recalculate Formal Representation Model next time, even if the statement has not been changed:

At the bottom of the dialog, there are 'Current connection' and 'New connection...' buttons, and 'Accept' and 'Cancel' buttons. A callout bubble points to the dialog with the text: "Why not searching/reusing Requirements from a previous Project?".

OVERLAPPING METRIC: HOW TO CONFIGURE IT?

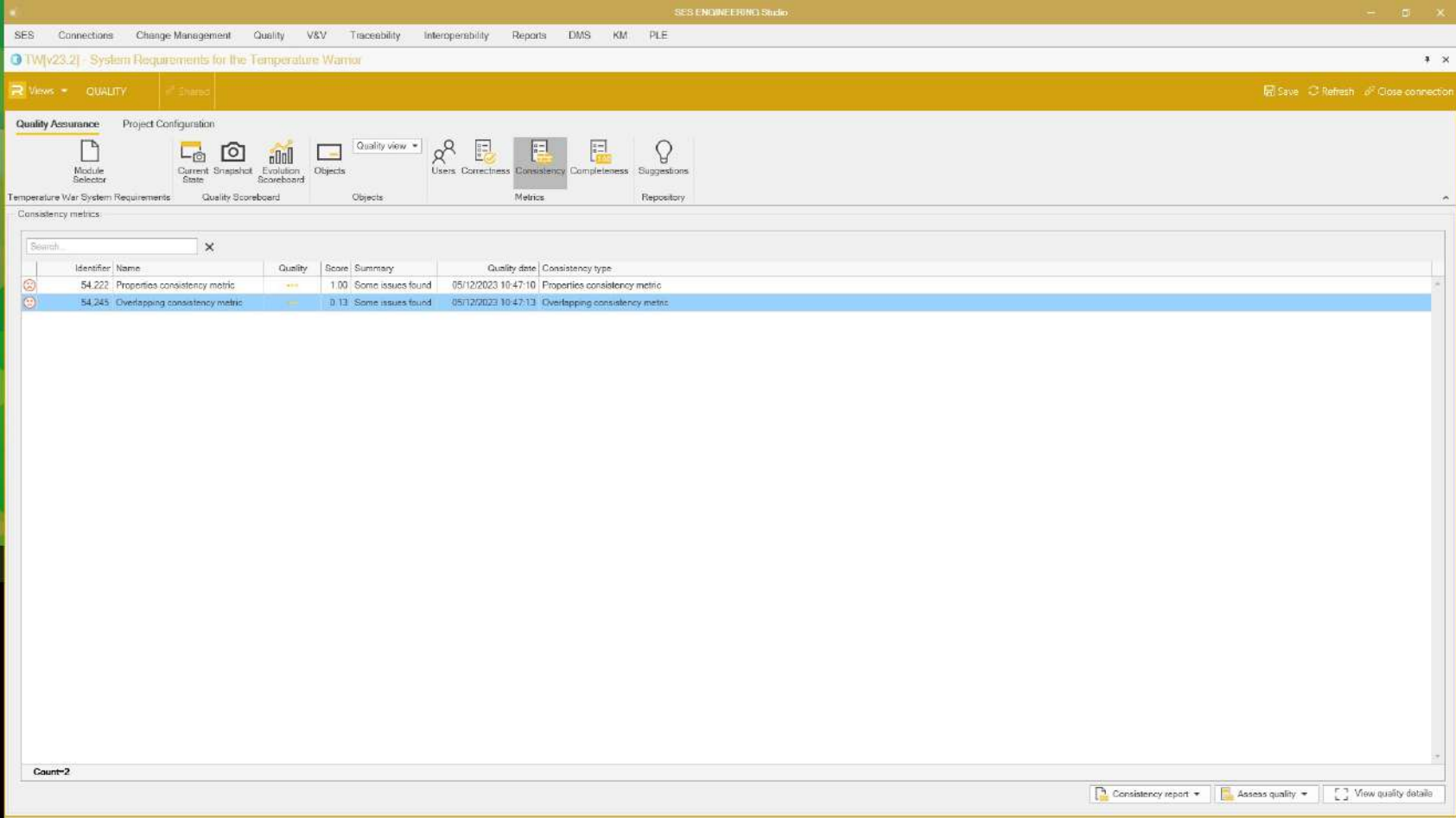
The screenshot shows the 'Overlapping consistency metric configuration' dialog box in the SES ENGINEERING Studio. The dialog is divided into several sections:

- Results threshold:** A slider is set to 90. Below it, a note says: "Select a threshold in order to filter consistency issues when displaying results".
- NLP configuration for retrieval:** A dropdown menu is set to "Default traceability configuration". A note says: "Select the retrieval algorithm parameters by choosing a retrieval configuration".
- Method:** Two radio buttons are present: "Inclusion" (unselected) and "Similarity" (selected).
 - The "Inclusion" note states: "The 'Inclusion' method means that the process will check, for each source workproduct, if the formalization elements are included within any target workproduct formalization. This process will produce a similarity value to be filtered using the defined 'Results threshold'".
 - The "Similarity" note states: "The 'Similarity' method means that the process will check, for each source workproduct formalization, how similar is with every target workproduct formalization based on the common elements and the density of the formalizations. This process will produce a similarity value to be filtered using the defined 'Results threshold'".
- Performance parameters:**
 - "Maximum number of results over the threshold:" is set to 15,000.
 - "Encrypt results" is checked.
 - A note says: "Encrypting the results can slow down significantly the performance of the assessment and the display of the metric results, especially when there are an important number of them. Only disable it when the performance is more important than the security of your workproduct information. Otherwise, reduce the number of results over the threshold to save."
- Buttons:** "Accept", "Cancel", "OK", and "Cancel" are at the bottom right. A green checkmark icon and the text "Configure Overlapping consistency metric" are at the bottom center.

In the background, the main application window shows a table of consistency metrics:

Metric Identifier	Name
54.190	Accuracy R00
54.245	Overlapping c
54.222	Properties co
54.240	Tolerance R3
54.244	Uniqueness F
53.925	Uniqueness F

OVERLAPPING METRIC: WHERE TO FIND THE RESULTS?



OVERLAPPING METRIC: WHERE TO FIND THE RESULTS?

Overlapping consistency metric results - Overlapping consistency metric

This metric results are obsolete due to changes in the specification. Please recalculate the metric to update the results

Metric result Overlapping Requirements Filtering

Select specification:
 Source Target Similarity: _____ 95

Source specification:

Object Identifier	Object Description	Comment	Max similarity	Min similarity
SysR-55	While the Temperature Warrior is in Configuration Mode, the maximum temperature thresholds of the Temperature Warrior shall be input in °C with a decimal precision.	1 overlapping object	96	96
SysR-54	While the Temperature Warrior is in Configuration Mode, the minimum temperature thresholds of the Temperature Warrior shall be input in °C with a decimal precision.	1 overlapping object	96	96
SysR-64	While the Temperature Warrior is in Configuration Mode, the minimum temperature input parameter of the Temperature Warrior shall be 12 °C.	1 overlapping object	95	95
SysR-69	While the Temperature Warrior is in Configuration Mode, the maximum temperature input parameter of the Temperature Warrior shall be 30 °C.	1 overlapping object	95	95

Total: 4

Target specification:

Object Identifier	Object Description	Similarity
SysR-54	While the Temperature Warrior is in Configuration Mode, the minimum temperature thres...	96

Total: 1

Configuration Overlapping consistency configuration Create report

Close

OVERLAPPING METRIC: DETAILS OF THE RESULT

Overlapping details

Source object information:

Source object identifier: SysR-55

Source object headings:

Source object description: While the Temperature Warrior is in Configuration Mode, the maximum temperature thresholds of the Temperature Warrior shall be input in °C with a decimal precision.

Artifact info:

Name: ReqId:SysR-55; MPT:54245 | Description: While the Temperature Warrior is in

Formal Representation Model:

- ReqId:SysR-55; MPT:54245
 - MEASURE: (Temperature, °C)
 - Configuration mode
 - Decimal
 - Input
 - Maximum
 - Precision
 - Temperature Warrior
 - Temperature Warrior
 - Threshold

Similarity:

Total Similarity: 96%

Similarity components and ponderation:

Topology similarity	100%	0
Semantic similarity	100%	100

Semantic components and ponderation:

Relationships similarity	100%	65
Occurrences similarity	100%	35

Topology vs semantic: 100% (100% Semantic ponderation, 0% Topological ponderation)

Relationships vs occurrences: 65% (65% Relationships ponderation, 35% Occurrences ponderation)

Target object information:

Target object identifier: SysR-54

Target object heading:

Target object description: While the Temperature Warrior is in Configuration Mode, the minimum temperature thresholds of the Temperature Warrior shall be input in °C with a decimal precision.

Artifact info:

Name: ReqId:SysR-54; MPT:54245 | Description: While the Temperature Warrior is in

Formal Representation Model:

- ReqId:SysR-54; MPT:54245
 - MEASURE: (Temperature, °C)
 - Configuration mode
 - Decimal
 - Input
 - Minimum
 - Precision
 - Temperature Warrior
 - Temperature Warrior
 - Threshold

Buttons: Edit source object, Open in IBM Rational DOORS, Edit target object, Open in IBM Rational DOORS, OK

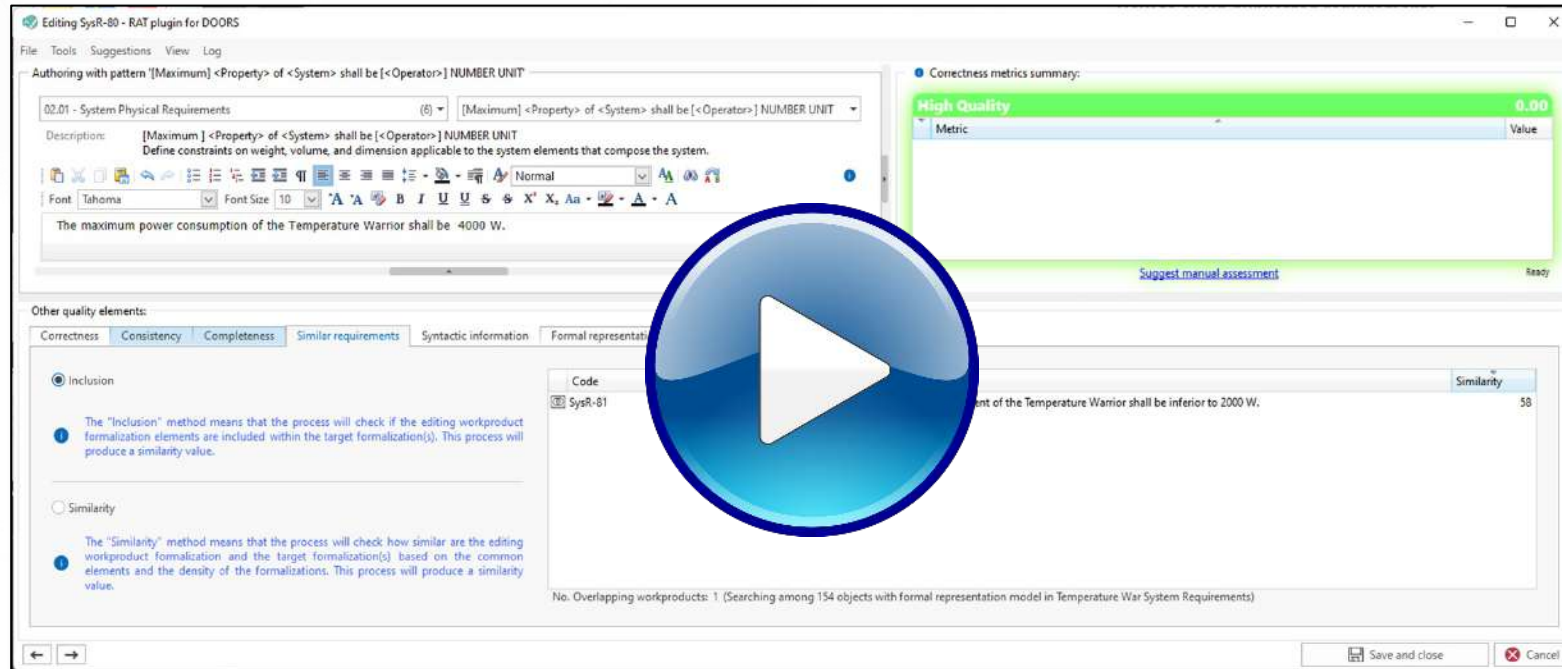


DEMO

DEMO #1

Steps:

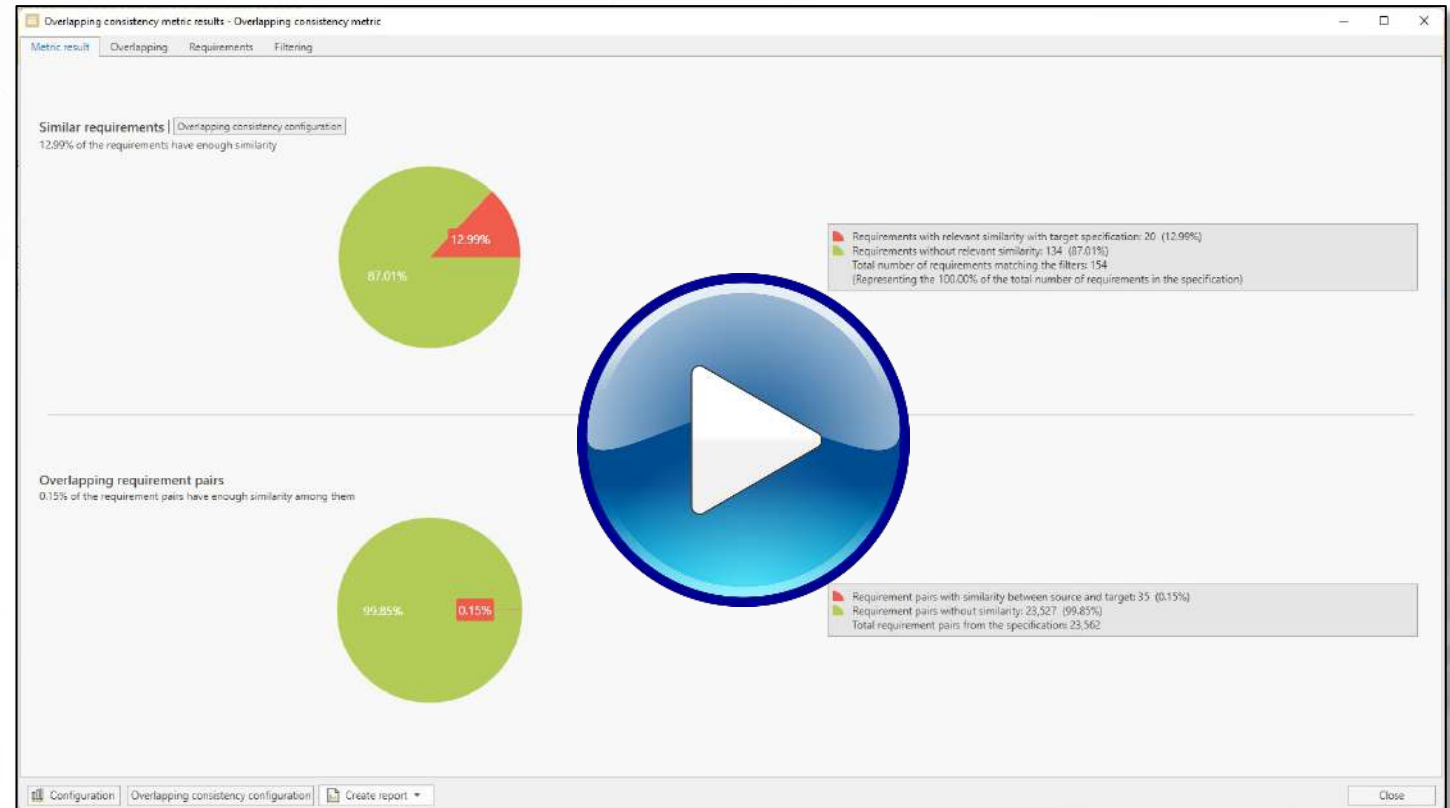
1. Open your RMS tool
2. Create a new requirement with the RAT add-in
3. Type your text
4. Look for similar requirements



DEMO #2

Steps:

1. Open the SES ENGINEERING Studio
2. Connect to a requirements document
3. Add a new overlapping metric
4. Execute CCC
5. Review overlapping results



How to avoid duplicated requirements

NEXT WEBINAR

How to avoid duplicated requirements

Universal interoperability: Start synchronizing your SE toolchain



Dates:

Tuesday, January 23rd 2024, 5:00 PM CET (Madrid)/
5:00 PM JST (Tokyo)/ 7:00 PM AEDT (Sydney)

Thursday, January 25th 2024, 9:00 AM CET (Madrid)/
8:00 AM PST (Los Angeles)/11:00 AM EST (Detroit)

By acting as a multi-activity platform to connect to diverse **external sources of truth**, synchronize assets to a centralized repository and **perform knowledge exchange and traceability**, SES ENGINEERING Studio sets a new paradigm. **Powered by a tool-neutral data model and knowledge-centric capabilities**, it gives more value to the interfaces and boundaries between the tools than the tools themselves, allowing information exchange and transformation mechanisms. This webinar will show how **SES ENGINEERING Studio** can help systems engineers switch from a scattered to an interconnected toolchain.



CONTACT INFORMATION



José M. Fuentes



jose.fuentes@reusecompany.com



+34 912 17 25 96



@ReuseCompany



<https://www.linkedin.com/in/josemiguel Fuentes/>



LEARN MORE! TRC WEBSITE

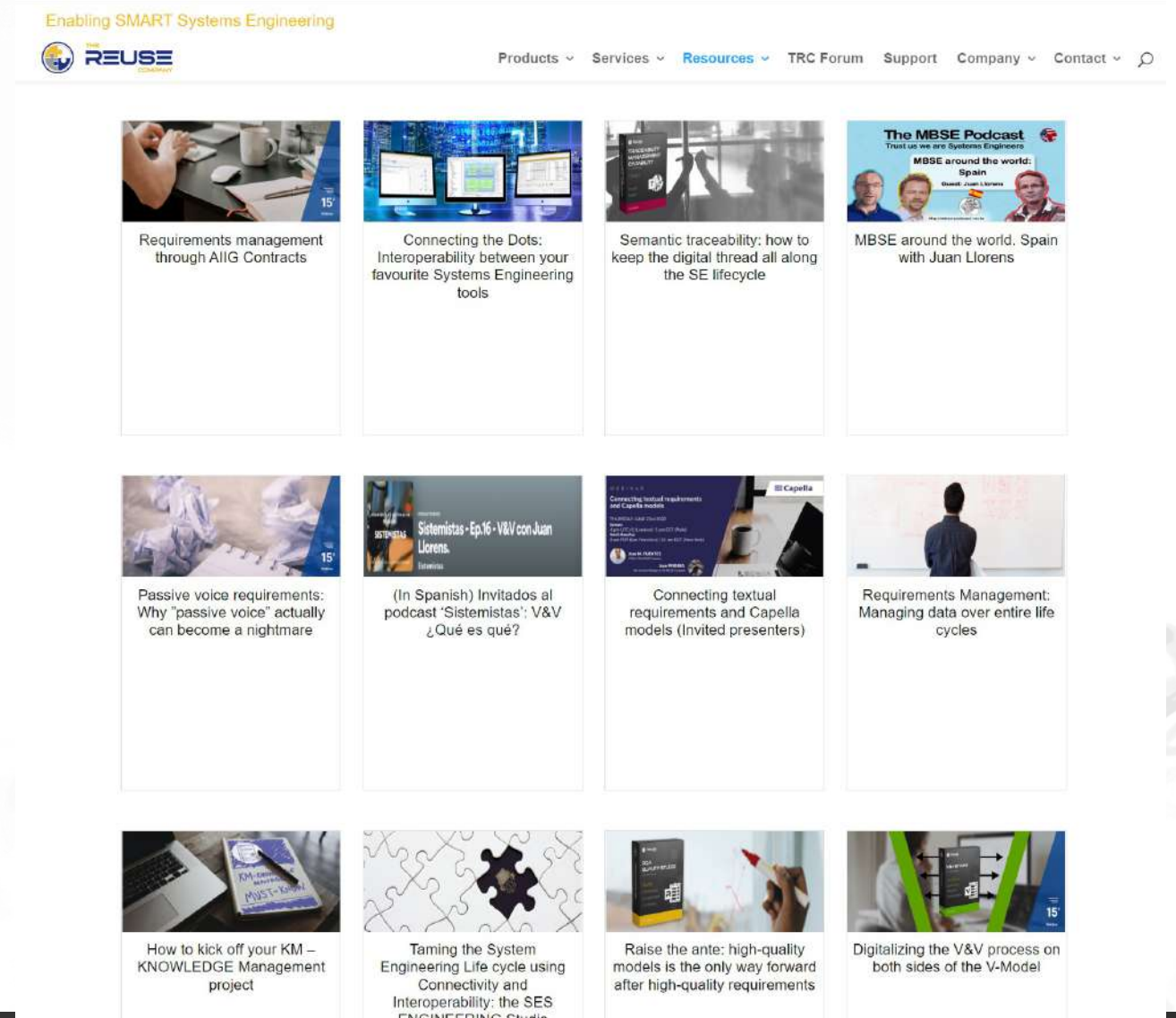
- www.reusecompany.com
- Resources -> Webinars (15' and 1hr)
- Services
- Support Forum













How to avoid duplicated requirements

Enabling SMART Systems Engineering

THE REUSE COMPANY

Products ▾ Services ▾ Resources ▾ TRC Forum Support Company ▾ Contact ▾

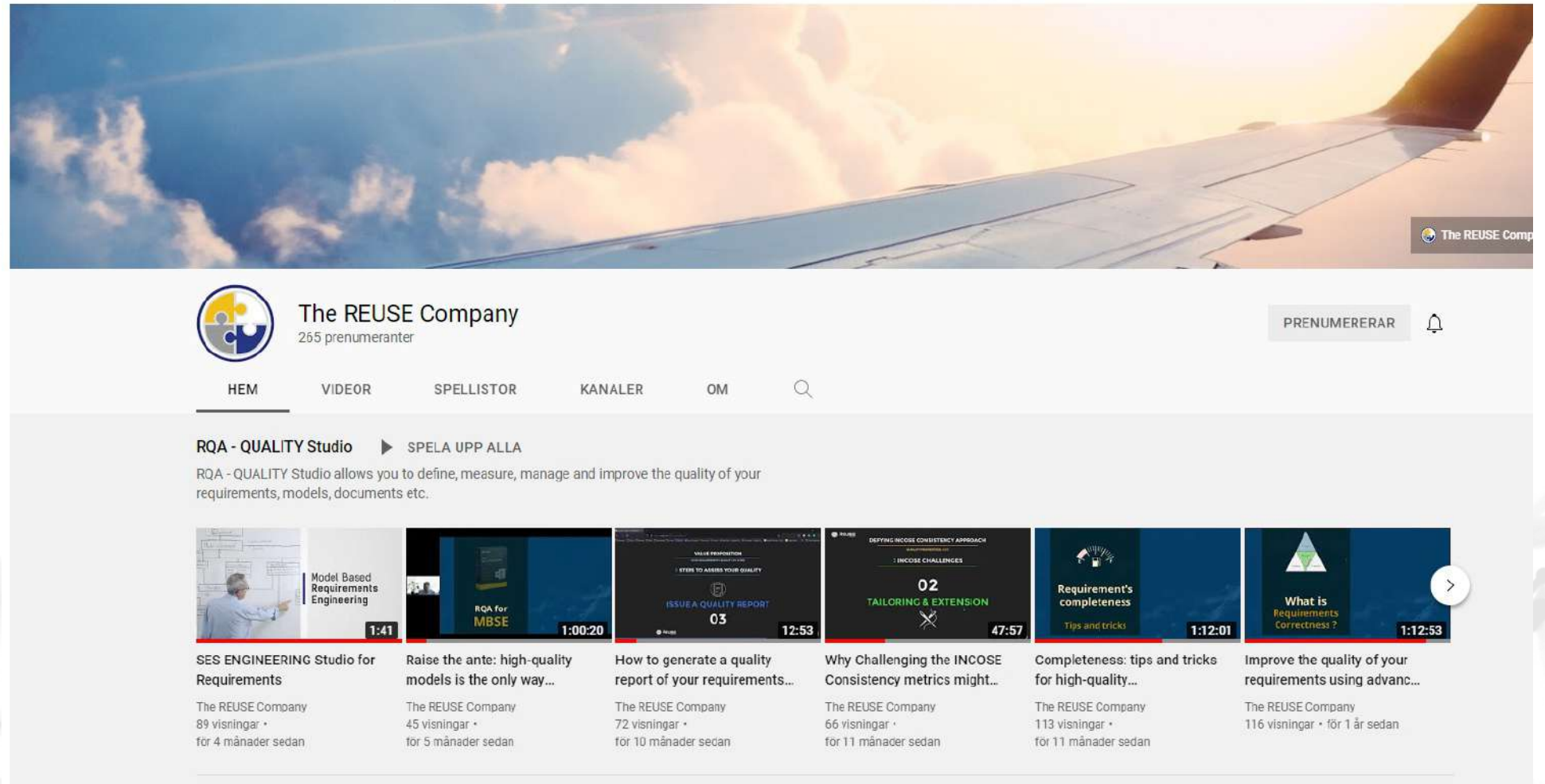


 <p>Requirements management through AIIG Contracts</p> <p>15'</p>	 <p>Connecting the Dots: Interoperability between your favourite Systems Engineering tools</p>	 <p>Semantic traceability: how to keep the digital thread all along the SE lifecycle</p>	 <p>The MBSE Podcast Trust us we are Systems Engineers MBSE around the world: Spain with Juan Llorens</p>
 <p>Passive voice requirements: Why "passive voice" actually can become a nightmare</p> <p>15'</p>	 <p>(In Spanish) Invitados al podcast 'Sistemistas': V&V ¿Qué es qué?</p>	 <p>Connecting textual requirements and Capella models (Invited presenters)</p>	 <p>Requirements Management: Managing data over entire life cycles</p>
 <p>How to kick off your KM – KNOWLEDGE Management project</p>	 <p>Taming the System Engineering Life cycle using Connectivity and Interoperability: the SES ENGINEERING Studio</p>	 <p>Raise the ante: high-quality models is the only way forward after high-quality requirements</p>	 <p>Digitalizing the V&V process on both sides of the V-Model</p> <p>15'</p>

THE REUSE COMPANY IN YOUTUBE:

How to avoid duplicated requirements

[HTTPS://WWW.YOUTUBE.COM/USER/THER EUSECOMPANY](https://www.youtube.com/user/therusecompany)



The REUSE Company
265 prenumeranter

PRENUMERERAR

HEM VIDEOR SPELLISTOR KANALER OM

RQA - QUALITY Studio ▶ SPELA UPP ALLA

RQA - QUALITY Studio allows you to define, measure, manage and improve the quality of your requirements, models, documents etc.

Thumbnail	Video Title	Duration	Views	Time since upload
	SES ENGINEERING Studio for Requirements	1:41	89 visningar	för 4 månader sedan
	Raise the ante: high-quality models is the only way...	1:00:20	45 visningar	för 5 månader sedan
	How to generate a quality report of your requirements...	12:53	72 visningar	för 10 månader sedan
	Why Challenging the INCOSE Consistency metrics might...	47:57	66 visningar	för 11 månader sedan
	Completeness: tips and tricks for high-quality...	1:12:01	113 visningar	för 11 månader sedan
	Improve the quality of your requirements using advanc...	1:12:53	116 visningar	för 1 år sedan



THE
REUSE
COMPANY



How to avoid duplicated requirements