QVscribe for Jama Walkthrough

Before starting the walkthrough

Make sure you have downloaded, installed and logged into QVscribe for Jama before starting this walkthrough. You can refer to our client portal for more information on installation.

Chrome:
https://qvscribe.com/knowledge/qvscribe-for-jama-user-set-up

Microsoft Edge:
https://qvscribe.com/knowledge/qvscribe-for-jama-user-set-up-edge

Start using QVscribe

Once you have logged in, select the QVscribe icon at the top of any Project or Review. This will open the QVscribe Summary Dashboard.

Summary View

The QVscribe Summary Dashboard displays all QVscribe results for the analyzed requirements within your project or review. You can also view the QVscribe Summary Dashboard within any Jama filter/Favorites, Nodes or Baselines.

The Summary Dashboard is completely clickable making it easier to navigate to the information that is most important to your workflow.

At the bottom of the Summary Dashboard, you can select the icon to change from the Score Summary (Page 1) to the Score Breakdown (Page 2).

The Score Summary Page (Page 1) displays all analyzed requirements within your project or review. Each requirement will be categorized according to their level of risk. Selecting any of the score bars will navigate users to the Quality Analysis section filtered for the selected quality score.

The Quality Warnings sections displays the requirements that have issues that QVscribe recommends additional attention or review. Selecting any of the warning categories will navigate users to the Quality Analysis section filtered for the selected Quality Warning.

Summary View

The Score Breakdown Page (Page 2) displays the same requirements from the Score Summary Page broken down by specific quality issues to help you better resolve your requirements problems.

CURRENT: Adaptive Cruise

Quality Score Breakdown

QUALITY ISSUES	*PERCENTAGE	# FOUND
Cross-Referencing Pronouns	7%	2
Excessive Continuances	0%	0
Immeasurable Qualifiers	15%	4
Multiple Imperatives	4%	1
Negative Imperatives	4%	1
No Directives	N/A	N/A
No Imperatives	15%	4
Non-specific Temporal Word	11%	3
Optional Escape Clauses	4%	1
Optional Open-Ended Clauses	0%	0
Superfluous Infinitives	11%	3
Vague Words	11%	3

Total # of Requirements

27

Quality Warnings

WARNINGS	*PERCENTAGE	# FOUND
Incomplete Sentences	0%	0
Justification	0%	0
Passive Voice	52%	14
Universal Quantifier	11%	3

Total # of Quality Warnings

17

Unit Consistency

# of Units

2

Term Consistency

# of Terms

71

* Percentages are based on the occurrences of each quality issue within all analyzed requirements. Note that these percentages are not correlated and will not generally add up to 100% (since some requirements have multiple issues and others may have none)

‹ Score Summary ○ ● Score Breakdown

QVscribe

Overall Score:

- Summary Dashboard
- Quality Analysis
- Term Consistency
- Unit Consistency
- Similarity
- Send Feedback

Create Report

The Navigation Menu (in yellow) provides easy access to all QVscribe Analyses. Selecting any section from the navigation pane will display the associated analysis views available in the summary view. This section also includes the overall score for all analyzed requirements within your project or review.

Editing/Authoring in the Summary View

You will have the ability to edit/author requirements within the Summary view. This can be done when you open a requirement within the Quality Analysis.

Once you select a requirement, you will see an icon right beside the requirement. You can click this icon to edit/author the requirement.

Editing/Authoring in the Summary View

This icon will bring you to your authoring/editing window. Click the pencil icon to edit the requirement, then you can edit the text within Jama or click the QVscribe icon to edit within QVscribe.

This brings you to the authoring view, where you can make changes/edits. The QVscribe analysis will update your changes showing you whether your score is improving.

Authoring View

There are two ways you can access QVscribe authoring view, within Jama Projects and Jama Reviews.

Authoring in Projects

You can edit/author an item when it is in Draft Status. You will see the QVscribe icon and score in the bottom right of the description box. Click the QVscribe icon to open QVscribe authoring view for this requirement.
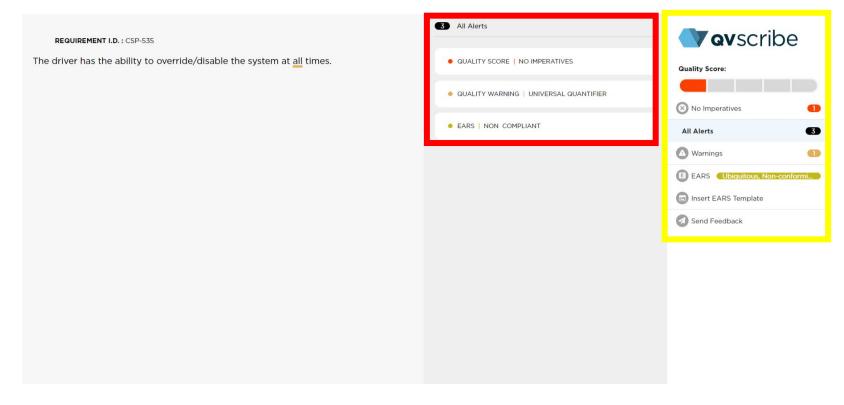

Authoring in Reviews

You can edit/author an item within an active Jama Review (open and in progress review). You will see the QVscribe icon and score in the bottom right of the description box. Click the QVscribe icon to open QVscribe authoring view for this item.

Authoring View

Now, that you are in the QVscribe authoring view you can make changes directly in the text. QVscribe will automatically rerun the Quality Analysis within 2 seconds of any changes you make to the text. The QVscribe score will update accordingly. Once the text updates are complete, simply close the QVscribe authoring view to update the text in the requirement.

Note: QVscribe will not commit any changes to Jama. It will be important to complete your changes in Jama as you normally would.

REQUIREMENT I.D. : CSP-535

The driver has the ability to override/disable the system at all times.

3 All Alerts

● QUALITY SCORE | NO IMPERATIVES

● QUALITY WARNING | UNIVERSAL QUANTIFIER

● EARS | NON COMPLIANT

QVscribe

Quality Score:

⊗ No Imperatives   1

All Alerts   **3**

⚠ Warnings   1

Ⓔ EARS   Ubiquitous, Non-conformi...
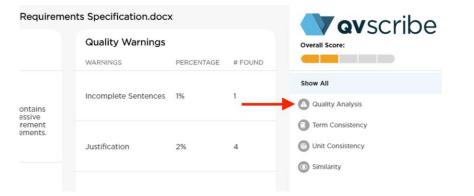
▢ Insert EARS Template

◢ Send Feedback

You can select any of the alerts for additional information, support and guidance on editing your requirement. The Filter Menu (in yellow) allows users to filter the specific alerts for the selected requirement.

Quality Analysis

To view the QVscribe Quality Analysis for your selected Project or Review, open the Summary Dashboard by clicking on the QVscribe icon.

Within the Summary Dashboard, select Quality Analysis from the right-hand Navigation Menu.

Quality Analysis

QVscribe will present the Quality Analysis for each of the requirements based on the order they are displayed in Project or Review. You may navigate to any of the individual requirements to see their detailed analysis. The 5-level scoring gives you a succinct picture of which requirements need the most attention and which ones adhere to best practices.

At the top of this view are 2 tools that will help you refine the list of requirements to focus on the areas you want to look further:
1. The Filter Requirements tool
2. The Sort Order tool

Quality Analysis

The Filter Requirements tool provides a drop-down list that allows you to display requirements based on the 1-5 score calculated by QVscribe or Quality Issues.
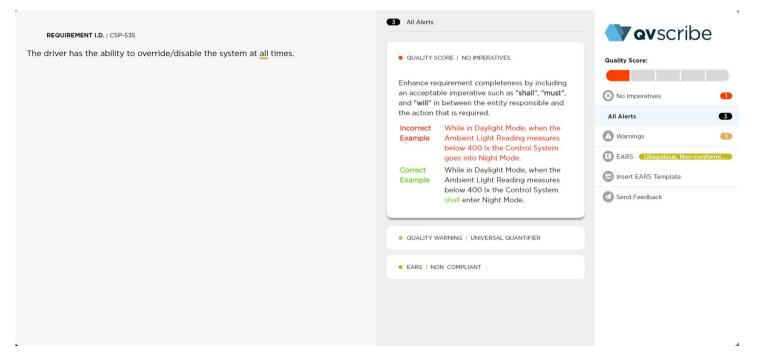

The Sort Order tool provides a drop-down list of several sorting options based on the requirements order, quality score, or the number of warnings associated.

Quality Analysis

When viewing the details of any analyzed requirement in QVscribe that has one or more alerts, you can select any alert to see more detail on the specific alert.

In the example above, the quality alert for "No Imperatives" has been generated. Selecting the alert will then highlight some guidance on how to resolve this problem along with an incorrect and correct example of the problem.

By default, all alerts will be displayed. Alerts can be filtered by using the right-most menu. This allows the user to focus on one specific type of alert, hiding all the others.

Consistency Analysis

QVscribe's Consistency feature includes 2 types of analyses: units and terms. You access these analyses in the Navigation Menu of the Summary Dashboard.

Term Consistency

All found nouns and noun phrases are displayed in the Term Consistency list, along with a total count and number of terms similar to it.

You can search for a specific term by entering text beside the magnifying glass icon.

Terms can be organized by selecting the drop-down beside the "Alphabetical Order" text in the top right. The options are:
- Alphabetical Order: The default option, displays terms alphabetically
- Most Occurrences: Displays terms in order of the number of times they appear from highest number of occurrences to least number of occurrences
- Most Similar: Displays terms in order of the number of similar terms, from the highest number of similar terms to the least number of similar terms
- Highest % Match: Displays terms based on the highest % match to other identified terms

CURRENT: Adaptive Cruise

Number of Terms 71	Terms Shown 71			Alphabetical Order ▾
		OCCURRENCES	# OF SIMILAR	HIGHEST % MATCH
<				
<test		1	0	0%
A				
ability		1	0	0%
accelerator		2	0	0%
B				
brakes		1	0	0%
buttons		2	0	0%
C				
car		5	0	0%
certification		1	0	0%
component		1	0	0%
controller		1	1	51.03%
cruise control		1	2	51.03%
Cruise measurement tracking control system		1	1	50.21%
D				
dashboard		1	0	0%

QVscribe

Overall Score:

- Summary Dashboard
- Quality Analysis
- Term Consistency
- Unit Consistency
- Similarity
- Send Feedback

Create Report

	# OF SIMILAR	HIGHE...
URANCES		
0	0%	

- Alphabetical Order
- Most Occurances
- Most Similar
- Highest % Match

Term Consistency

The terms in the Consistency section can be explored by selecting any term to show all requirements where that term appears, as well as a list of similar terms and the %-similarity. Each of these similar terms can be expanded to show the requirements where it appears. This helps rapidly verify that these similar terms are valid and reside in the correct requirements.

Unit Consistency

Unit Consistency displays all units detected, along with their type categorization and total count. Each unit in the list can be expanded to show the requirements where it was found. This helps ensure that the right unit is in the right requirement and that there is consistency in the system of units used throughout the document (i.e. metric or imperial).

You can search for a specific unit by entering text beside the magnifying glass icon.

Units can be organized by selecting the drop-down beside the "All" text in the top right. The options are:

* All: The default option, displays all the identified units
* International System of Units (SI): Displays identified SI units
* Inconsistent with International System of Units (SI): Displays identified units that are not SI units(imperial)

CURRENT: CSProject.pdf

Number of Units: 22
Units Shown: 22

All ▼

	OCCURRENCES	TYPE	ABBREVIATION(S)
acceleration			
meter per squared second	3	International System of Units(SI)	metre per squared second, m/s2, m/s², m/s^2
electric current			
amp	1	International System of Units(SI)	
milliampere	1	International System of Units(SI)	mA
electric potential difference, electromotive force			
volt	1	International System of Units(SI)	V
force			
newton	1	International System of Units(SI)	N
length			
foot	1		ft, feet
link	1		
kilometer	3	International System of Units(SI)	kilometre, km
millimeter	1	International System of Units(SI)	millimetre, mm
meter	14	International System of Units(SI)	metre, m
centimeter	8	International System of Units(SI)	centimetre, cm
mass			

Overall Score:

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- Unit Consistency
- Similarity
- Send Feedback

Create Report

CURANCES	TYPE	ABBR

All

International System of Units(SI)

Inconsistent with International System of Unit...

Unit Consistency

Selecting any unit in the list will display all the requirements that include that unit with the unit highlighted.
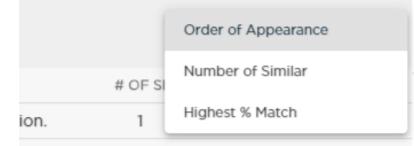
Similarity Analysis

The Similarity Analysis displays which requirements are similarly written and how closely they match. You access the Similarity Analysis in the Navigation Menu of the Summary Dashboard.

The Similarity Analysis can be used to identify possible duplications and/or contradictions across requirements.

The requirements can be organized by selecting the drop-down beside 'Order of Appearance' text in the top right. The options are:

- Order of Appearance: The default option, displays requirements in the order that they appear in the Project or Review
- Number of Similar: Displays requirements that have the highest number of similar requirements to the least number of similar requirements
- Highest % Match: Displays requirements based on the highest % match to other requirements

CURRENT: CSProject.pdf

Number of Requirements
229

Order of Appearance ▼

I.D.	REQUIREMENT	# OF SIMILAR	HIGHEST % MATCH
CSP-399	API interface shall function with Toyota vehicles	1	85.11%
CSP-398	API interface shall function with Honda vehicles.	1	85.11%
CSP-397	DrivePilot shall provide Software Throttle interface on DrivePilot Command Controller (DCC)	4	58.27%
CSP-195	This failure mode applies to complete failure of the DrivePilot Command Controller, its interfaces and consoles. The effects of the DCC systematically shutting down would mean that all servos will stop working competely.	1	51.37%
CSP-408	Accelerator override servo disengages if user taps on the accelerator or engages cruise control.	2	100%
CSP-407	DrivePilot shall provide a Toyota throttle/accelerator override servo that will control the accelerator cable independently of manual mechanical operations.	3	98.25%
CSP-406	Accelerator override servo disengages if user taps on the accelerator or engages cruise control.	2	100%
CSP-405	DrivePilot shall provide a Honda replacement throttle/accelerator servo on vehicles that do not have a mechanical cable.	2	60.92%
CSP-401	Accelerator override servo disengages if user taps on the accelerator or engages cruise control.	2	100%
CSP-400	DrivePilot shall provide a throttle/accelerator override servo that will control the accelerator cable independently of manual mechanical operations.	3	98.25%
CSP-419	The SOS will have in-dash mount option.s	1	64.78%
CSP-418	The braking subcontroller will receive information from the BLC and disengage if the user presses the brake pedal manually.	2	70.55%
CSP-417	The Braking Software subcontroller shall interface with the DCC. It will provide directives to the BLC.	2	87.44%
CSP-415	DrivePilot shall implement a Braking Lever Control (BLC) for all vehicles and all applications.	1	75%
CSP-413	The SOS will have an under-hood, and in-dash mount option. It shall mount directly to the steering shaft.	2	64.78%
CSP-412	The steering subcontroller will receive information from the SOS and disengage if the user grabs the wheel to override the SOS.	5	70.55%

Create Report

qvscribe

Overall Score:

Summary Dashboard
Quality Analysis
Term Consistency
Unit Consistency
Similarity
Send Feedback

Order of Appearance

Number of Similar

Highest % Match

OF SI...

ion.   1

Similarity Analysis

Expanding a requirement lists its similar requirements on the right, along with a percentage of how similar they are. Clicking a similar requirement in the list will then display the clicked-on requirement below the original with the differences highlighted in light purple.

Generate PDF Report

A PDF report can be generated with all the information in the QVscribe Summary Dashboard by selecting Generate Report in the right-hand corner.

Easy Approach to Requirements Syntax (EARS) Templates

When writing requirements or working through QVscribe alerts, you can use the Easy Approach to Requirements Syntax (EARS) templates to simplify the writing or re-writing process. The Easy Approach to Requirement Syntax(EARS) is a standard for writing requirements that will improve the quality and consistency of your requirements.

When viewing a requirement in QVscribe's authoring view, you can use EARS Templates by selecting 'Insert EARS Template'.
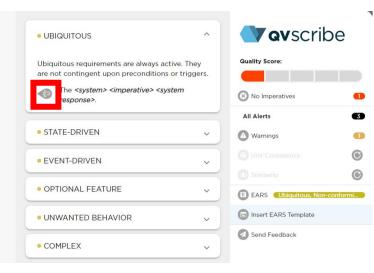
Easy Approach to Requirements Syntax (EARS) Templates

Select one of the EARS templates made available within QVscribe. By clicking on any of the options listed, the full template and explanation for this EARS Template will be shown. Once you have selected the template you would like to insert, click the grey icon to insert it into your requirement.
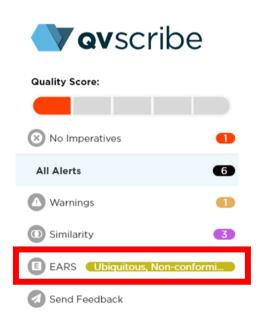
Once the template has been added to the requirement section, you are able to modify it freely. After modification, QVscribe will check for conformance with EARS Templates.

Easy Approach to Requirements Syntax (EARS) Templates

When viewing a requirement in the Quality Analysis, QVscribe will automatically detect if a requirement is compliant with the EARS standard. The identification of a requirement's compliance with the EARS standard will be displayed in the Alert Column.

Selecting the Alert will provide an expanded view that includes additional information about compliance with the EARS format.
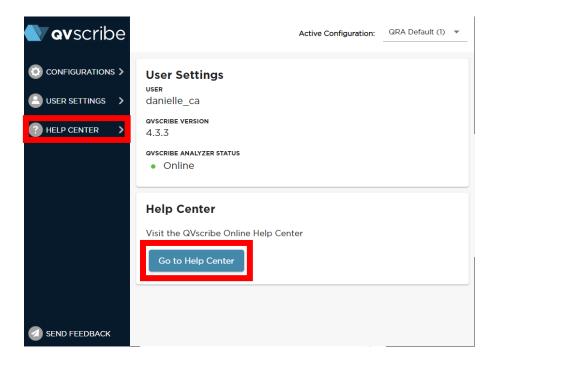

Additionally, the specific type of EARS requirement will be displayed in the right-hand menu.
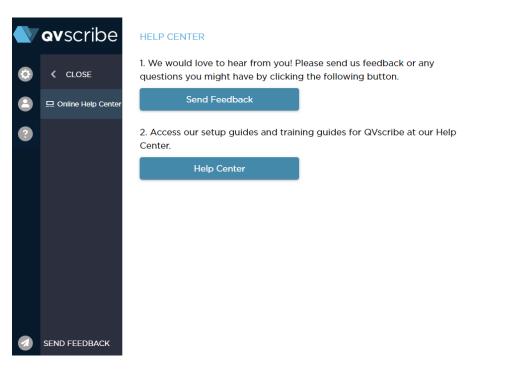
QVscribe Help Center

The QVscribe Help Center details can be found by clicking the QVscribe browser extension.

To go to the Help Center, you can find the link directly on the main page of the QVscribe Browser Extension Menu. If you select the Help Center option on the left, you can find more information. Another link to the Help Centre can be found here.

If you experience errors, unexpected behavior in QVscribe or if you would like to contact us for assistance, select the Send Feedback option on the left.

Thank You

To learn more about QVscribe, visit
qracorp.com