



QVscribe for Polarion Walkthrough

Before starting the walkthrough

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

Chrome:

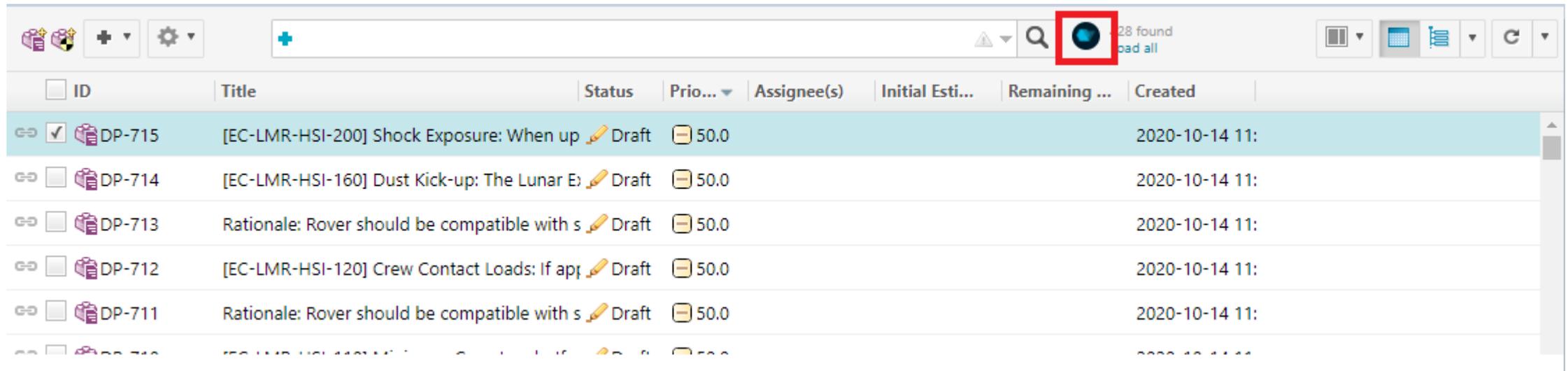
<https://qvscribe.com/knowledge/qvscribe-polarion-user-set-up>

Microsoft Edge:

<https://qvscribe.com/knowledge/qvscribe-for-polarion-installation-edge>

Start using QVscribe

Once you have logged in, select the QVscribe icon at the top of any Live Doc View or Table view. This will open the QVscribe Summary Dashboard.



The screenshot shows a software interface with a table of tasks. The top toolbar contains several icons, including a red box highlighting the QVscribe icon (a blue globe). The table below has columns for ID, Title, Status, Priority, Assignee(s), Initial Estimate, Remaining, and Created. The first row is highlighted in light blue.

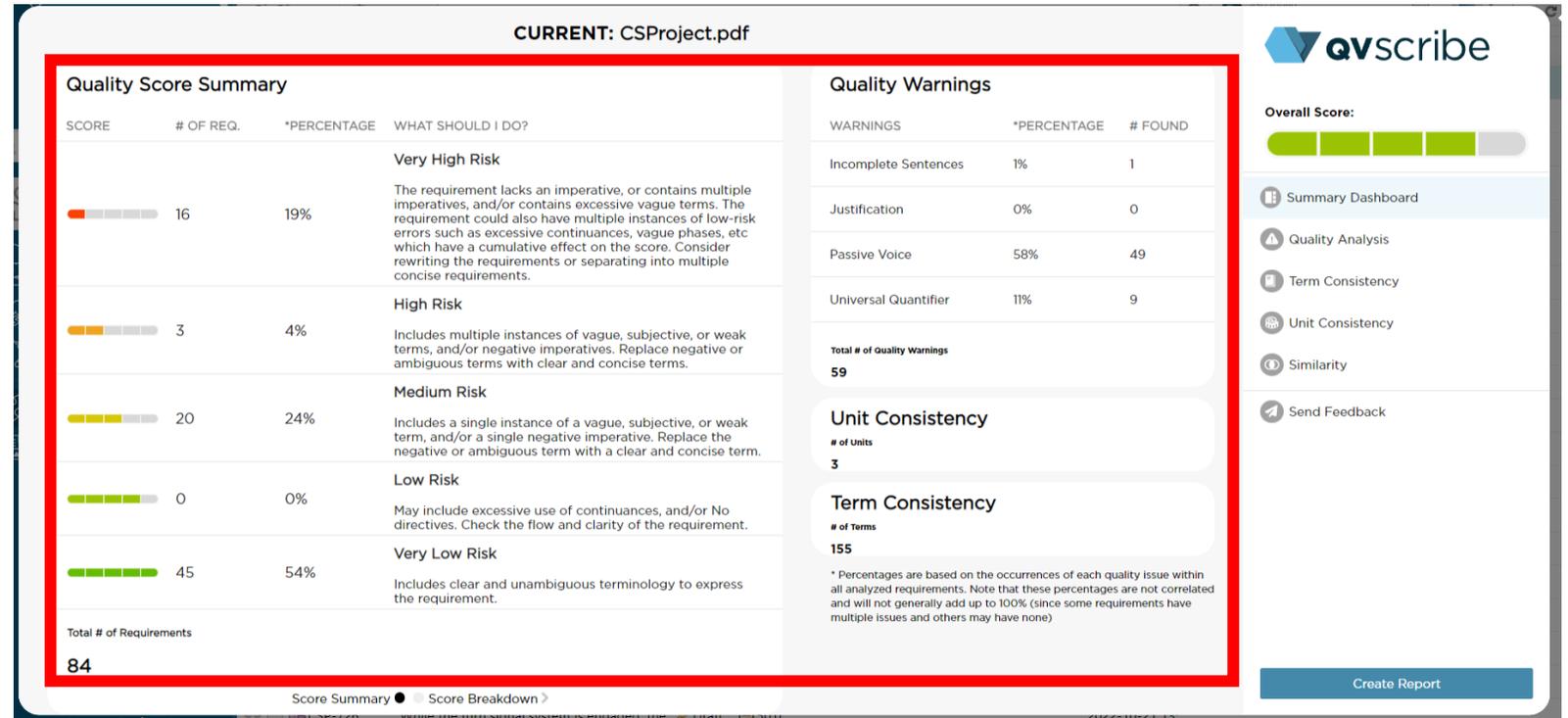
<input type="checkbox"/>	ID	Title	Status	Prio...	Assignee(s)	Initial Esti...	Remaining ...	Created
<input checked="" type="checkbox"/>	DP-715	[EC-LMR-HSI-200] Shock Exposure: When up	Draft	50.0				2020-10-14 11:
<input type="checkbox"/>	DP-714	[EC-LMR-HSI-160] Dust Kick-up: The Lunar E	Draft	50.0				2020-10-14 11:
<input type="checkbox"/>	DP-713	Rationale: Rover should be compatible with s	Draft	50.0				2020-10-14 11:
<input type="checkbox"/>	DP-712	[EC-LMR-HSI-120] Crew Contact Loads: If ap	Draft	50.0				2020-10-14 11:
<input type="checkbox"/>	DP-711	Rationale: Rover should be compatible with s	Draft	50.0				2020-10-14 11:
<input type="checkbox"/>	DP-710	[EC-LMR-HSI-110] Mission...	Draft	50.0				2020-10-14 11:

Summary View

The QVscribe Summary Dashboard displays all QVscribe results for the analyzed requirements in the Live Doc or filtered Work Items.

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 the Live Doc or filtered Work Items. 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: CSProject.pdf

Quality Score Breakdown

QUALITY ISSUES	*PERCENTAGE	# FOUND
Cross-Referencing Pronouns	12%	10
Excessive Continuances	4%	3
Immeasurable Qualifiers	17%	14
Multiple Imperatives	5%	4
Negative Imperatives	1%	1
No Directives	N/A	N/A
No Imperatives	14%	12
Non-specific Temporal Word	5%	4
Optional Escape Clauses	1%	1
Optional Open-Ended Clauses	4%	3
Superfluous Infinitives	7%	6
Vague Words	5%	4
Total # of Requirements		84

Quality Warnings

WARNINGS	*PERCENTAGE	# FOUND
Incomplete Sentences	1%	1
Justification	0%	0
Passive Voice	58%	49
Universal Quantifier	11%	9
Total # of Quality Warnings		59

Unit Consistency

of Units
3

Term Consistency

of Terms
155

* 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)

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 in the Live Doc or filtered Work Items.

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.

CURRENT: CSPProject.pdf

Number of Requirements: 84 | Requirements Shown: 84 | Filter Requirements: No Filter | Order of Appearance: [Dropdown]

I.D.	REQUIREMENT	SCORE	WARNING
CSP-537	If the car in front of the subject car slows down then the system will adjust to a lower speed.	██████████	
CSP-534	If the car in front of the subject car speeds up then the system will adjust to a higher speed, provided the car has not reached the set speed.	██████████	
CSP-540	The system will maintain the following distance without exceeding the maximum speed set by the user whenever a front vehicle is detected.	███░░░░░	⚠️ 1
CSP-667	The distance threshold will be displayed for the driver and Manufacturer.	██████████	⚠️ 1
CSP-666	The system will re-engage at the previously set speed once the accelerator is no longer be pressed.	███░░░░░	⚠️ 2
CSP-665	The system will have indicator lights for when the system is activated, engaged, as well as the status of the cruise control.	███░░░░░	⚠️ 1
CSP-664	The system will be disabled when the driver taps on the brakes.	██████████	⚠️ 1
CSP-663	When the driver taps the accelerator, the system is temporarily disengaged while the driver accelerates the car.	███░░░░░	⚠️ 1
CSP-535	The driver has the ability to override/disable the system at all times.	███░░░░░	⚠️ 1
CSP-533	The system will send status updates to the driver using the dashboard.	██████████	
CSP-668	The set speed threshold will be displayed for the driver.	██████████	⚠️ 1
CSP-669	A block valve is limited to using a bypass for inspection before an operation.	███░░░░░	⚠️ 1
CSP-673	The CTS shall tolerate inadvertent operator action as described in requirement 3.8.5.1.2 in the presence of any single system failure.	███░░░░░	⚠️ 2
CSP-670	Applications with variable frequency drive electric motors shall be identified in the data sheet as defined by the purchaser.	███░░░░░	⚠️ 1
CSP-531	The driver will be able to use buttons on the steering wheel to set and change the maximum speed whenever the system is engaged.	███░░░░░	⚠️ 1
CSP-679	Failure of aerodynamic control effectors are expected during the failure tolerance check.	███░░░░░	⚠️ 1
CSP-678	While the machine is turned off, there will be no light signal present.	██████████	⚠️ 2

Overall Score: ██████████

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

Create Report

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

Return to Quality Review

REQUIREMENT I.D. : CSP-535

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

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 Polarion or click the QVscribe icon to edit within QVscribe.

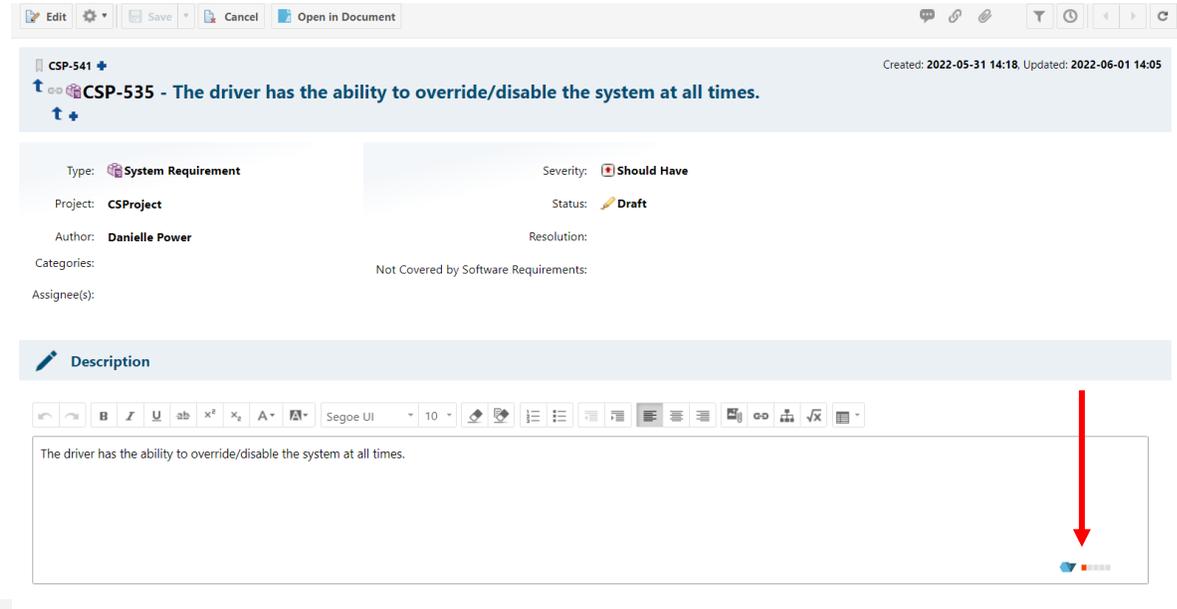
The screenshot shows the Polarion Summary View for requirement CSP-535. At the top, there is a toolbar with buttons for Edit, Save, Cancel, and Open in Document. The requirement title is "CSP-535 - The driver has the ability to override/disable the system at all times." with a pencil icon to its left. The metadata includes: Type: System Requirement, Severity: Should Have, Project: CSProject, Author: Danielle Power, Status: Draft, and Resolution: Not Covered by Software Requirements. Below the metadata is a "Description" section with a pencil icon and a red box around it. The description text is "The driver has the ability to override/disable the system at all times." Below this is a rich text editor with a toolbar and the same description text. A red box highlights the toolbar and the text area in the rich text editor.

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.

The first is while viewing a requirement with a 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.



Adaptive Cruise Control

CSP-542 - The driver will be able to use buttons on the steering wheel to set and change the maximum speed whenever the system is engaged.

Draft

CSP-736 - The system will have a default following distance of 1.5 s in place after the dr...
The system will have a default following distance of 1.5 s in place after the driver chooses to engage the FSRACC system.

Draft

CSP-529 - The following distance will be computed in seconds behind the forward vehicle (i.e. 260 feet of following distance at 60 mph (88 feet per second) is about 3 seconds)

Draft

CSP-531 - The driver will be able to use buttons on the steering wheel to set and change the maximum speed whenever the system is engaged.

Draft

The second way is directly in a Live Doc. A Draft requirement within a Live Doc can be editable within QVscribe. Click the QVscribe icon to open QVscribe authoring view for this requirement.

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.

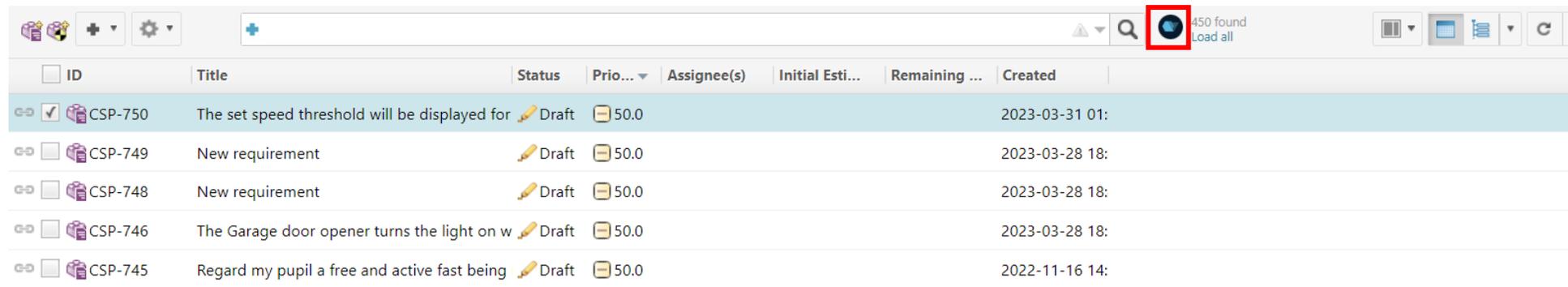
Note: QVscribe will not commit any changes to Polarion. It will be important to complete your changes in Polarion as you normally would.

The screenshot displays the QVscribe authoring interface. On the left, a requirement text is shown: "REQUIREMENT I.D. : CSP-535" followed by "The driver has the ability to override/disable the system at all times." The word "all" is underlined in orange. On the right, a quality analysis panel is visible, outlined in red. This panel shows a header "All Alerts" with a count of 3. Below it, three alert categories are listed: "QUALITY SCORE | NO IMPERATIVES" (red dot), "QUALITY WARNING | UNIVERSAL QUANTIFIER" (yellow dot), and "EARS | NON COMPLIANT" (green dot). To the right of this panel, a yellow-bordered filter menu is shown. It features the QVscribe logo, a "Quality Score" progress bar (partially filled in orange), and a list of filters: "No Imperatives" (1), "All Alerts" (3), "Warnings" (1), "EARS" (Ubiquitous, Non-conformi...), "Insert EARS Template", and "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.

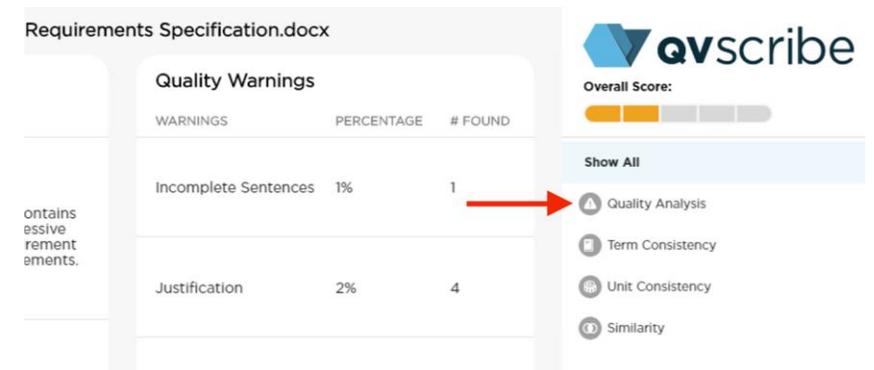
Quality Analysis

To view the QVscribe Quality Analysis for your selected Live Doc or filtered Work Items, open the Summary Dashboard by clicking on the QVscribe icon.



<input type="checkbox"/>	ID	Title	Status	Prio...	Assignee(s)	Initial Esti...	Remaining ...	Created
<input checked="" type="checkbox"/>	CSP-750	The set speed threshold will be displayed for	Draft	50.0				2023-03-31 01:
<input type="checkbox"/>	CSP-749	New requirement	Draft	50.0				2023-03-28 18:
<input type="checkbox"/>	CSP-748	New requirement	Draft	50.0				2023-03-28 18:
<input type="checkbox"/>	CSP-746	The Garage door opener turns the light on w	Draft	50.0				2023-03-28 18:
<input type="checkbox"/>	CSP-745	Regard my pupil a free and active fast being	Draft	50.0				2022-11-16 14:

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



Requirements Specification.docx

Quality Warnings

WARNINGS	PERCENTAGE	# FOUND
Incomplete Sentences	1%	1
Justification	2%	4

Overall Score: 

Show All

- Quality Analysis
- Term Consistency
- Unit Consistency
- Similarity

Quality Analysis

QVscribe will present the Quality Analysis for each of the requirements based on the order they are displayed in the Live Doc or the filtered Work Items. 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

CURRENT: CSProject.pdf

Number of Requirements: 282 | Requirements Shown: 282

Filter Requirements: No Filter | Order of Appearance: Order of Appearance

I.D.	REQUIREMENT	SCORE	WARNING
CSP-399	API interface shall function with Toyota vehicles	████████	
CSP-398	API interface shall function with Honda vehicles.	████████	
CSP-397	DrivePilot shall provide Software Throttle interface on DrivePilot Command Controller (DCC)	████████	
CSP-292		███░░░	
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
CSP-408	Accelerator override servo disengages if user taps on the accelerator or engages cruise control.	███░░░	
CSP-407	DrivePilot shall provide a Toyota throttle/accelerator override servo that will control the accelerator cable independently of manual mechanical operations.	███░░░	
CSP-406	Accelerator override servo disengages if user taps on the accelerator or engages cruise control.	███░░░	
CSP-405	DrivePilot shall provide a Honda replacement throttle/accelerator servo on vehicles that do not have a mechanical cable.	████████	⚠️ 1
CSP-402	Throttles must be either mechanical or electrical.	███░░░	
CSP-401	Accelerator override servo disengages if user taps on the accelerator or engages cruise control.	███░░░	
CSP-400	DrivePilot shall provide a throttle/accelerator override servo that will control the accelerator cable independently of manual mechanical operations.	███░░░	
CSP-419	The SOS will have in-dash mount option.s	████████	
CSP-418	The braking subcontroller will receive information from the BLC and disengage if the user presses the brake pedal manually.	████████	
CSP-417	The Braking Software subcontroller shall interface with the DCC. It will provide directives to the BLC.	███░░░	
CSP-416	Unlike mechanisms with software-based API controls available, the BLC shall be mechanical only.	████████	
CSP-415	DrivePilot shall implement a Braking Lever Control (BLC) for all vehicles and all applications.	████████	⚠️ 1

Overall Score: ██████████

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

Create Report

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.

CURRENT: CSProject.pdf

Number of Requirements	Requirements Shown	Filter Requirements
84	84	Five Score
		Warning
		Cross-Referencing Pronouns
		Excessive Continuances
		Immeasurable Qualifiers
		Incomplete Sentences
		Justification

I.D.	REQUIREMENT
CSP-537	If the car in front of the subject car
CSP-534	If the car in front of the subject car has not reached the set speed.
CSP-540	The system will maintain the follow whenever a front vehicle is detected
CSP-667	The distance threshold will be disp
CSP-666	The system will re-engage at the pre
CSP-665	The system will have indicator light cruise control.

CURRENT: CSProject.pdf

Sort Order
Order of Appearance
Low to High Score
High to Low Score
Warning Count

then the system will adjust to a lower speed.
then the system will adjust to a higher speed, provided the car
without exceeding the maximum speed set by the user

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.

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**
Enhance requirement completeness by including an acceptable imperative such as "shall", "must", and "will" in between the entity responsible and the action that is required.
Incorrect Example While in Daylight Mode, when the Ambient Light Reading measures below 400 lx the Control System goes into Night Mode.
Correct Example While in Daylight Mode, when the Ambient Light Reading measures below 400 lx the Control System shall enter Night Mode.
- 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

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.

CURRENT: CSProject.pdf

Quality Score Summary

SCORE	# OF REQ.	*PERCENTAGE	WHAT SHOULD I DO?
	16	19%	Very High Risk The requirement lacks an imperative, or contains multiple imperatives, and/or contains excessive vague terms. The requirement could also have multiple instances of low-risk errors such as excessive continuances, vague phases, etc which have a cumulative effect on the score. Consider rewriting the requirements or separating into multiple concise requirements.
	3	4%	High Risk Includes multiple instances of vague, subjective, or weak terms, and/or negative imperatives. Replace negative or ambiguous terms with clear and concise terms.
	20	24%	Medium Risk Includes a single instance of a vague, subjective, or weak term, and/or a single negative imperative. Replace the negative or ambiguous term with a clear and concise term.
	0	0%	Low Risk May include excessive use of continuances, and/or No directives. Check the flow and clarity of the requirement.
	45	54%	Very Low Risk Includes clear and unambiguous terminology to express the requirement.

Total # of Requirements
84

Score Summary ● Score Breakdown >

Quality Warnings

WARNINGS	*PERCENTAGE	# FOUND
Incomplete Sentences	1%	1
Justification	0%	0
Passive Voice	58%	49
Universal Quantifier	11%	9

Total # of Quality Warnings
59

Unit Consistency

of Units
3

Term Consistency

of Terms
155

* 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)

QVscribe

Overall Score:

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

Create Report

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.



CURRENT: CSProject.pdf

Number of Terms: 155 | Terms Shown: 155 | Search: | Order: Alphabetical Order

	OCCURRENCES	# OF SIMILAR	HIGHEST % MATCH
A			
ability	1	0	0%
accelerator	2	0	0%
aerodynamic control effectors	2	0	0%
aircraft	2	0	0%
airplane	1	1	70.71%
airplane flaps	1	1	70.71%
alarm	1	0	0%
amount	1	0	0%
Applications	1	0	0%
ATC system	1	7	70.71%
B			
block valve	1	0	0%
brakes	1	0	0%
button	3	2	89.44%
buttons	2	2	89.44%
bypass	1	0	0%

Overall Score: 

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

Create Report

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



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.

CURRENT: CSProject.pdf

[Return to Term Review](#)

control system

I.D.	REQUIREMENT TEXT
CSP-677	The control system shall prevent engine overspeed while the machine is engaged.
CSP-692	While the aircraft is on the ground, when reverse thrust is commanded, the control system shall enable deployment of the thrust reverser.
CSP-691	Where airplane flaps are enabled, while the aircraft is on the ground, when the signal to take off is given, the control system shall indicate a green light.
CSP-714	If the machine is turned on and the lights are switched off, the control system shall disengage.
CSP-725	If the car in front of the subject vehicle slows down then the control system will adjust to a lower speed.
CSP-708	If the car, in front of the subject vehicle slows down then the control system will adjust to a lower speed.

Similar Terms

	OCCURRENCES	# OF SIMILAR	HIGHEST % MATCH
A			
ATC system	1	7	70.71%
C			
cruise control system	1	2	79.47%
S			
signal system	1	5	82.92%
system	28	10	63.25%

qvscribe

Overall Score: 

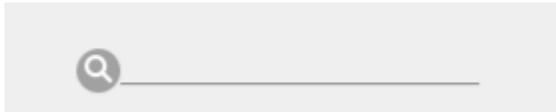
- Summary Dashboard
- Quality Analysis
- Term Consistency**
- Unit Consistency
- Similarity
- Send Feedback

[Create Report](#)

Unit Consistency

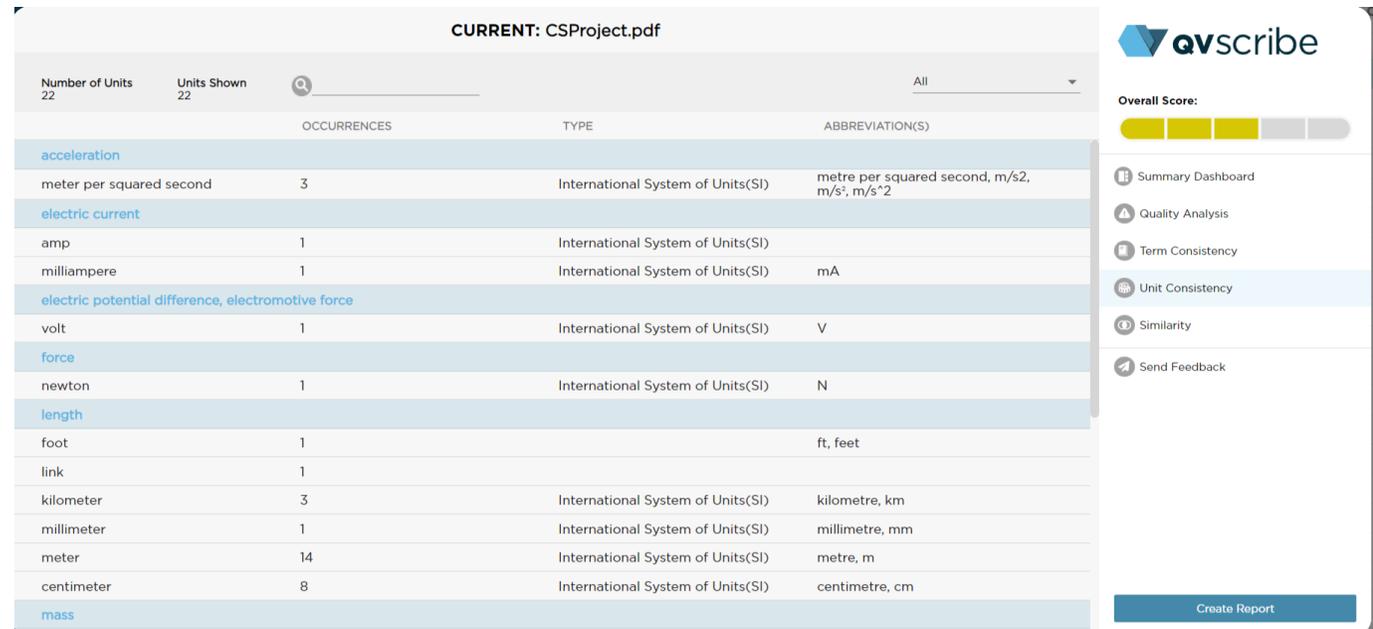
Unit Consistency displays all units detected, along with their type categorization and total count. Each unit in the list can be expanded to show the requirements where it was found. This helps ensure that the right unit is in the right requirement and that there is consistency in the system of units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

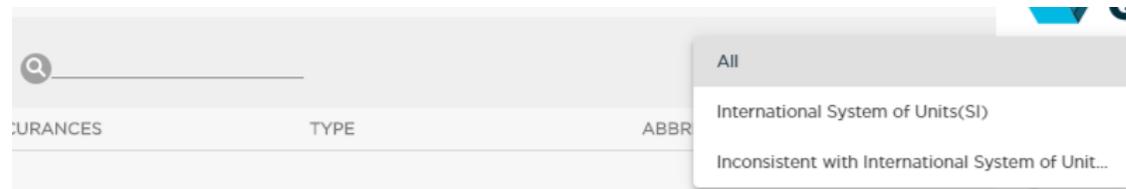
Number of Units: 22, Units Shown: 22, Search: _____, All

	OCCURRENCES	TYPE	ABBREVIATION(S)
acceleration			
meter per squared second	3	International System of Units(SI)	metre per squared second, m/s ² , 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: [Progress Bar]

Summary Dashboard, Quality Analysis, Term Consistency, **Unit Consistency**, Similarity, Send Feedback

Create Report



Unit Consistency

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

CURRENT: CSPProject.pdf

[Return to Unit Review](#)

meter

I.D.	REQUIREMENT	
CSP-561 The Lunar Exploration Light Rover shall accelerate back up to 15 km/h within ten seconds of stopping, and shall initiate each stop within ten seconds of reaching 15 km/h. For each of the five stops, the Lunar Exploration Light Rover shall stop within a distance of 4.2 m . Rationale: This is similar to brake fade tests performed on earth, and is necessary for safe operations. This will give the analog rover an ability to resist temperature-related brake fade in a manner similar to that defined in CMVSS 135. Note, maximum speed is 80% of the maximum, consistent with the CMVSS 135 approach.	▼
CSP-573 The range to the edge of the workspace should be no less than 2 m .8. Zoom: The Lunar Exploration Light Rover imaging shall, upon command, change the field of view in a range of 2 degrees to 30 degrees diagonal dimension, in steps of 1 degree maximum.Rationale: Zoom capability is in general to support detailed imaging of distant targets while also supporting driving and other close-by operations which require a wide field...	▼
CSP-585	[EC-LMR-FNC-052] Sensor Height: Basic digital terrain mapping and terrain imaging from at least one imager shall be done from an adequate height to see over obstacles of 1 m height. Comment: The precise height is left to the contractor to optimize for the requirement to see over obstacles...	▼
CSP-552 The intent is to permit a variety of running gear solutions, be they wheels, tracks or other.Comment: For reference, MMP is defined and calculated for wheeled vehicles as follows: $MMP = (K' \times W) / \{ 2m \times b^{0.85} \times d^{1.15} \times [\Delta/d]^{0.5} \}$ where $K' = 1.83$ (axle factor: 2 axles, both driven) W = maximum gross vehicle weight, kNm = number of axles b = tire width, unladen, m = tire diameter, unladen, $m\Delta$ = tire deflection under vehicle weight W , ma) For the purpose of standardization, tire diameter, d , shall be the diameter taken at the base of the tread...	▼
CSP-586 the Advanced Vision Systems and science instruments) at 2m above ground level...	▼
CSP-597	[EC-LMR-PRF-340] Absolute localization: The Lunar Exploration Light Rover shall determine its absolute location to within 100 m . Rationale: Design choice by CSA based on scenario needs...	▼
CSP-564	[EC-LMR-PRF-060] Ground Clearance: The Lunar Exploration Light Rover shall be able to pass over an obstacle with a height of	▼

Overall Score:

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

[Create Report](#)

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 Live Doc or filtered Work Items
- 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

ID.	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 completely.	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%

Overall Score: [Progress Bar]

Navigation Menu:

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

Create Report

Order of Appearance

Number of Similar

Highest % Match

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.

The screenshot displays the QVscribe Similarity Analysis interface. On the left, the main requirement is expanded to show its text and a compared requirement. The main requirement is CSP-537: "If the car in front of the subject car slows down then the system will adjust to a lower speed." The compared requirement is CSP-534: "If the car in front of the subject car speeds up then the system will adjust to a higher speed, provided the car has not reached the set speed." On the right, a list of 10 filtered alerts shows similar requirements with their similarity percentages: 81%, 100%, 91%, 67%, 92%, 92%, 80%, 81%, 90%, and 57%. The sidebar on the far right includes the QVscribe logo, a quality score bar, and a list of alerts, with the "Similarity" alert selected and showing 10 items.

[Return to Similarity Review](#)

REQUIREMENT I.D. : CSP-537

If the car in front of the subject car slows down then the system will adjust to a lower speed.

COMPARED REQUIREMENT I.D. : CSP-534

If the car in front of the subject car speeds up then the system will adjust to a higher speed, provided the car has not reached the set speed.

10 Filtered Alerts

- SIMILARITY | 81% REQUIREMENT FOUND
- SIMILARITY | 100% REQUIREMENT FOUND
- SIMILARITY | 91% REQUIREMENT FOUND
- SIMILARITY | 67% REQUIREMENT FOUND
- SIMILARITY | 92% REQUIREMENT FOUND
- SIMILARITY | 92% REQUIREMENT FOUND
- SIMILARITY | 80% REQUIREMENT FOUND
- SIMILARITY | 81% REQUIREMENT FOUND
- SIMILARITY | 90% REQUIREMENT FOUND
- SIMILARITY | 57% REQUIREMENT FOUND

QVscribe

Quality Score:

All Alerts **11**

- Similarity **10**
- EARS **Unwanted Behaviors, Non...**
- Send Feedback

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.

CURRENT: CSProject.pdf

Quality Score Summary

SCORE	# OF REQ.	*PERCENTAGE	WHAT SHOULD I DO?
	131	46%	Very High Risk The requirement lacks an imperative, or contains multiple imperatives, and/or contains excessive vague terms. The requirement could also have multiple instances of low-risk errors such as excessive continuances, vague phases, etc which have a cumulative effect on the score. Consider rewriting the requirements or separating into multiple concise requirements.
	19	7%	High Risk Includes multiple instances of vague, subjective, or weak terms, and/or negative imperatives. Replace negative or ambiguous terms with clear and concise terms.
	48	17%	Medium Risk Includes a single instance of a vague, subjective, or weak term, and/or a single negative imperative. Replace the negative or ambiguous term with a clear and concise term.
	1	0%	Low Risk May include excessive use of continuances, and/or No directives. Check the flow and clarity of the requirement.
	83	29%	Very Low Risk Includes clear and unambiguous terminology to express the requirement.

Total # of Requirements
282

Score Summary ● Score Breakdown >

Quality Warnings

WARNINGS	*PERCENTAGE	# FOUND
Incomplete Sentences	2%	5
Justification	4%	11
Passive Voice	54%	151
Universal Quantifier	20%	56

Total # of Quality Warnings
223

Unit Consistency

of Units
22

Term Consistency

of Terms
1651

* 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)

Overall Score:

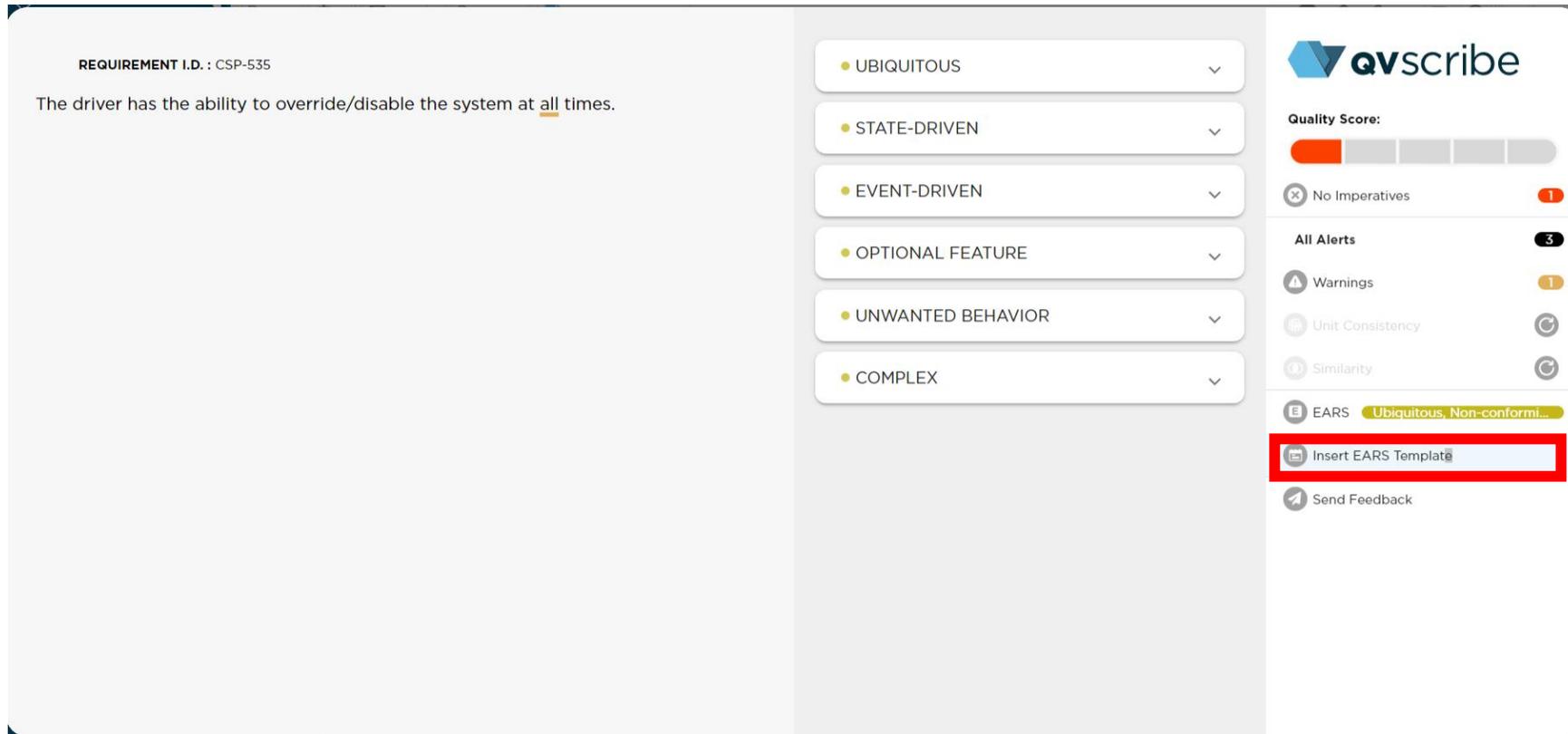
- Summary Dashboard
- Quality Analysis
- Term Consistency
- Unit Consistency
- Similarity
- Send Feedback

Create Report

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'.



The screenshot displays the QVscribe authoring interface. On the left, a requirement is shown with the ID 'CSP-535' and the text 'The driver has the ability to override/disable the system at all times.' The word 'all' is highlighted in orange. In the center, a sidebar lists six EARS template categories: UBIQUITOUS, STATE-DRIVEN, EVENT-DRIVEN, OPTIONAL FEATURE, UNWANTED BEHAVIOR, and COMPLEX. On the right, the QVscribe logo is at the top, followed by a 'Quality Score' progress bar. Below that, a list of alerts is shown: 'No Imperatives' (1), 'All Alerts' (3), 'Warnings' (1), 'Unit Consistency', and 'Similarity'. The 'EARS' alert is expanded, showing 'Ubiquitous, Non-conformi...' and the 'Insert EARS Template' button is highlighted with a red box. At the bottom of the sidebar, there is a 'Send Feedback' button.

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.

REQUIREMENT I.D.: CSP-535
The driver has the ability to override/disable the system at all times.

UBIQUITOUS
Ubiquitous requirements are always active. They are not contingent upon preconditions or triggers.
The <system> <imperative> <system response>.

STATE-DRIVEN

EVENT-DRIVEN

OPTIONAL FEATURE

UNWANTED BEHAVIOR

COMPLEX

QVscribe
Quality Score: [Progress bar]
No Imperatives [1]
All Alerts [3]
Warnings [1]
Unit Consistency [0]
Similarity [0]
EARS - Ubiquitous, Non-conformi...
Insert EARS Template
Send Feedback

REQUIREMENT I.D.: CSP-535
The driver has the ability to override/disable the system at all times.

The <system> <imperative> <system response>.

UBIQUITOUS
Ubiquitous requirements are always active. They are not contingent upon preconditions or triggers.
The <system> <imperative> <system response>.

STATE-DRIVEN

EVENT-DRIVEN

OPTIONAL FEATURE

UNWANTED BEHAVIOR

COMPLEX

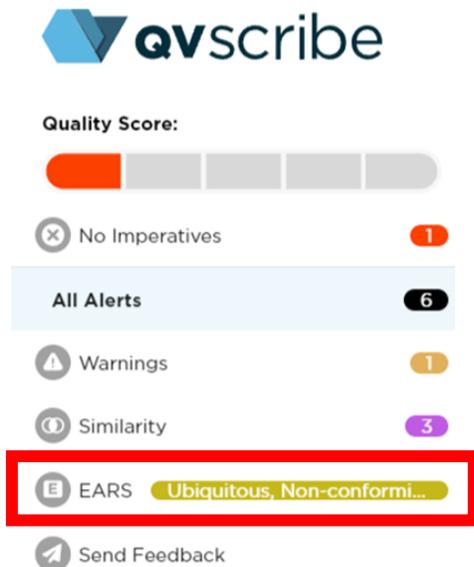
QVscribe
Quality Score: [Progress bar]
No Imperatives [1]
All Alerts [3]
Warnings [1]
Unit Consistency [0]
Similarity [0]
EARS - Non-conforming
Insert EARS Template
Send Feedback

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.



QVscribe

Quality Score:

No Imperatives 1

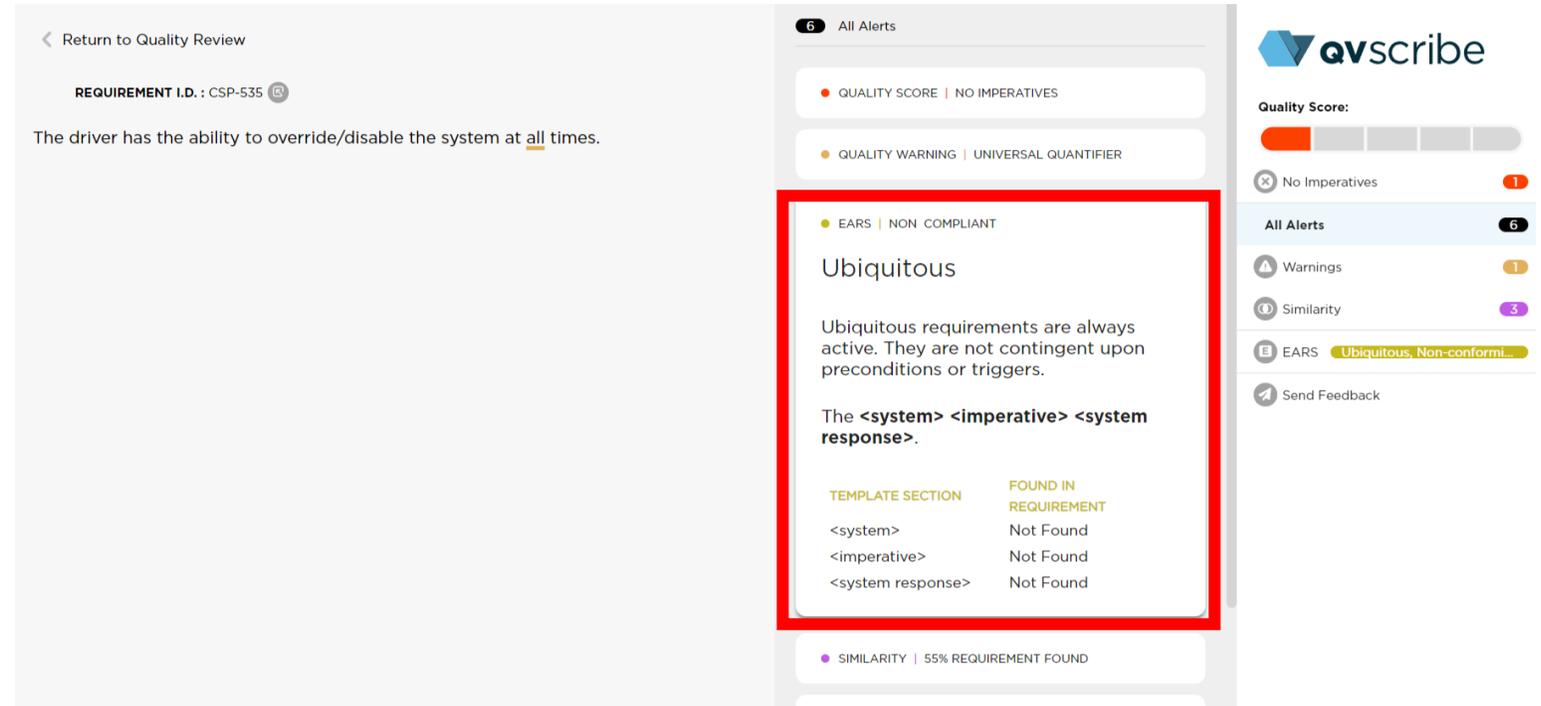
All Alerts 6

Warnings 1

Similarity 3

EARS Ubiquitous, Non-conformi...

Send Feedback



Return to Quality Review

REQUIREMENT I.D.: CSP-535

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

All Alerts 6

QUALITY SCORE | NO IMPERATIVES

QUALITY WARNING | UNIVERSAL QUANTIFIER

EARS | NON COMPLIANT

Ubiquitous

Ubiquitous requirements are always active. They are not contingent upon preconditions or triggers.

The <system> <imperative> <system response>.

TEMPLATE SECTION	FOUND IN REQUIREMENT
<system>	Not Found
<imperative>	Not Found
<system response>	Not Found

SIMILARITY | 55% REQUIREMENT FOUND

Quality Score:

No Imperatives 1

All Alerts 6

Warnings 1

Similarity 3

EARS Ubiquitous, Non-conformi...

Send Feedback

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

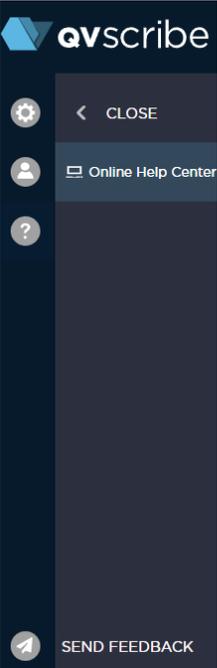
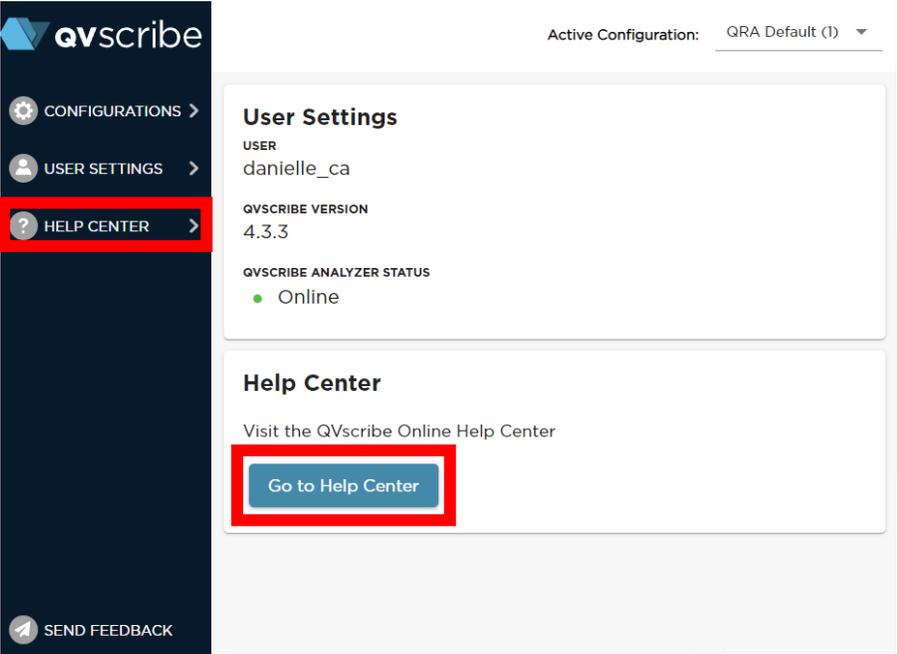
QVscribe Help Center

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.



HELP CENTER

1. We would love to hear from you! Please send us feedback or any questions you might have by clicking the following button.
2. Access our setup guides and training guides for QVscribe at our Help Center.



SEND FEEDBACK



Thank You

To learn more about QVscribe, visit
qracorp.com