



Where Expertise Meets Innovation

# RELEASE NOTES

# V4.7

Corrections to Regulations



Linking Documents



Heatmap Improvements



Risk Controls



## Keeping You Updated

**Centrik V4.7 is classified as a Feature Release. Feature Release notes provide information to our Customers on the new exciting features and improvements we've made to existing functionality within Centrik.**

We have categorised the new features into 4 main areas:

- 1) Corrections to Regulations
- 2) Linking and Supplemental Documents
- 3) Heatmap Improvements
- 4) Risk Controls

We aim to give Customers at least 3 business days notice before the planned deployment to your production systems and we invite you to preview the release on your Test Site.

For more information, please contact [Support@Centrik.net](mailto:Support@Centrik.net).

# Corrections to Regulations

Regulations

There are 3 amended regulations to be reviewed

Number	Name	Maint	Ref Ver	Site Ver	Corrections	Revision
EASA Regulations (29)						
OTAR Regulations (18)						
Common (2)						
Operations and Aircrew Licensing (9)						
Airworthiness (7)						
OTAR Part 21	Certification of Aircraft	✓	3	2		Issue 8 as of 31 January 2019
OTAR Part 36	Aircraft Environmental Standards	✓	2	1		Issue 2 as of 31 July 2006
OTAR Part 39	Continued Airworthiness Requirements	✓	3	2		Issue 11 as of 31 January 2019
OTAR Part 43	General Maintenance Requirements	✓		4	✍	Issue 9 as of 25 Feb 2021.
OTAR Part 47	Aircraft Registration and Marking	✓		2		Issue 5 as of 2 January 2019

1.

## 1) Corrections Icon

You can now make corrections to a published regulation without issuing a new version.

If a change to a published regulation is required, the Centrik Regulations Team can issue a correction.

Users will receive an email notification and a Announcement within the system. A correction icon (green arrow above) will show on the Regulations home page.

## 2) Review Corrections

To review the correction and accept the changes, simply click into the regulation, scroll to the bottom of the page, and view the correction by clicking the play button.

Corrected date	Accepted by	Accepted date	Accept
25/03/2021			▶

2a.

This will show a side-by-side view of the correction and the reason for it:

Review of changes to Regulation Item OTAR.43.115

Regulation	Regulation	Title	Date Published	Effective From	
OTAR Part 43	General Maintenance Requirements		24/03/2021	25/02/2021	
Regulation Item	Reference Item OTAR 43.115				
Checklists Affected	No checklists are currently affected by this regulation item.				
Compare Old and New	Current regulation details Technical Log completion (a) A person shall not certify an aircraft or aircraft component for release to service in an aircraft technical log unless so authorised in accordance with paragraph 43.101. (b) The operator's instructions on the completion of the technical log shall be adhered to, including the retention and promulgation of completed pages. (c) The requirements for an aircraft technical log are prescribed in OTAR Part 39 Subpart D.		Updated regulation details Technical Log completion (a) A person shall not certify an aircraft or aircraft component for release to service in an aircraft technical log unless so authorised in accordance with paragraph 43.101. (b) The operator's instructions on the completion of the technical log shall be adhered to, including the retention and promulgation of completed pages. (c) The requirements for an aircraft technical log are prescribed in OTAR Part 39 Chapter D.		
Corrections	Reference	Correction	Corrected date	Accepted by	Accepted date
OTAR 43.115	A correction was made to this regulation item Error found in regulation text		25/03/2021		
Comments	+ Add Comment				
Actions	There are no actions associated with this object. + Add Action				

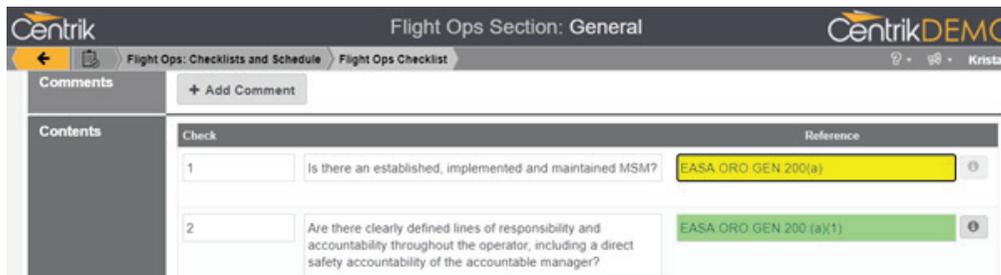
2b.

Navigate back to the regulation and click 'Accept' to accept the change.

# Regulations referencing in compliance checklists

## 1) Referencing

When referencing regulations in classic-style compliance checklists it is important to ensure the regulation that is being referenced is the most current. Please pay attention to any regulation references that are yellow as this tells the user that the regulation in the checklist is not the most current. When the regulation reference is green, the regulation is the most current:



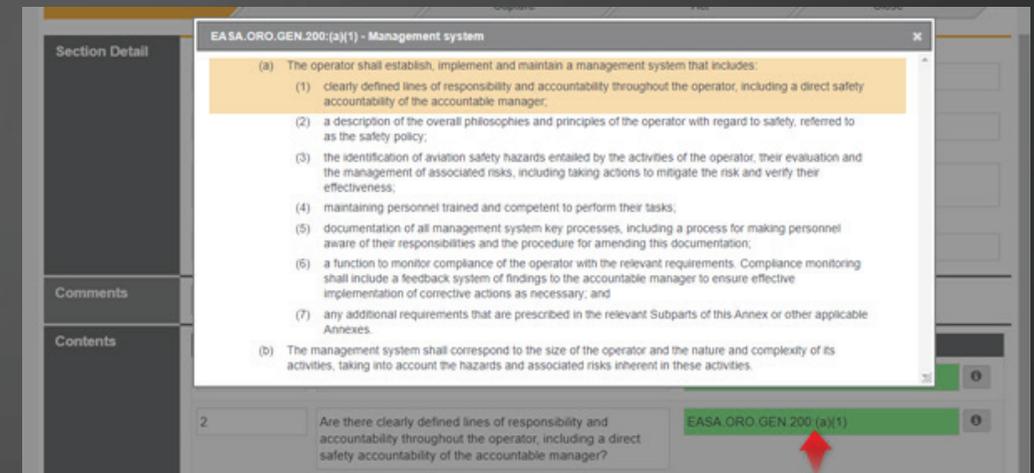
1a.

Two common reasons a regulation reference may show yellow are that, either, the regulation item has been deleted in the latest regulation amendment, or, the referencing text has been entered in error.

## 2) Highlighting

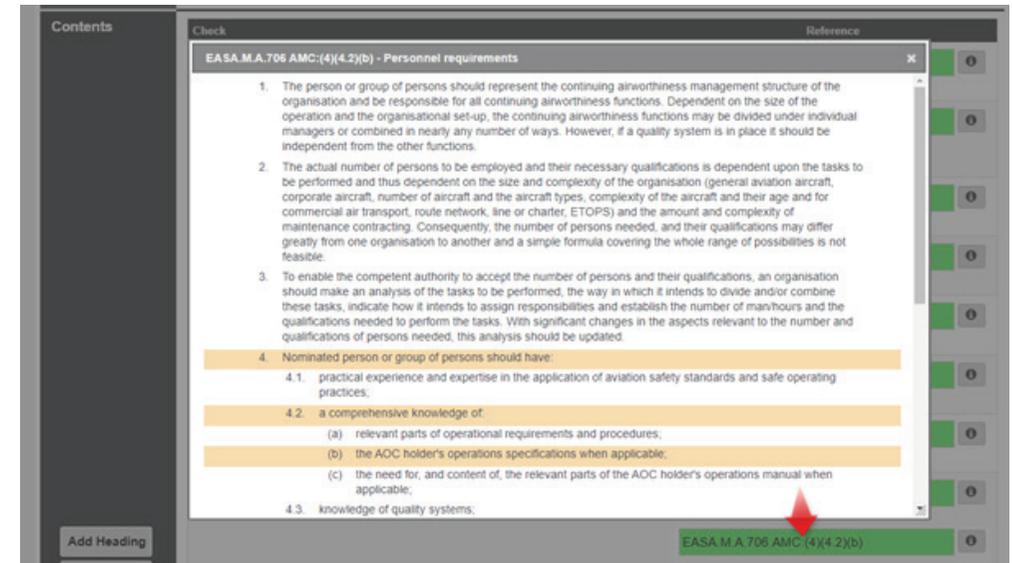
We have noticed many users wishing to specify the regulation sections to which the checklist item is referring, we have created the ability to highlight specific regulation sections in classic-style compliance checklists. Highlighting works by separating the regulation reference and the specific section by a colon (no spaces). The specific regulation section needs to be housed in brackets ( ) regardless of how they are displayed in the regulation. For example, if the regulation reference is 'EASA.ORO.GEN.200', simply add a colon and then bracket whichever bullet(s) you want to highlight.

So, 'EASA.ORO.GEN.200:(a)(1)' will appear as follows:



2a.

This will also work with supporting regulations EASA.M.A.711(a)(3) AMC:(4)(c)



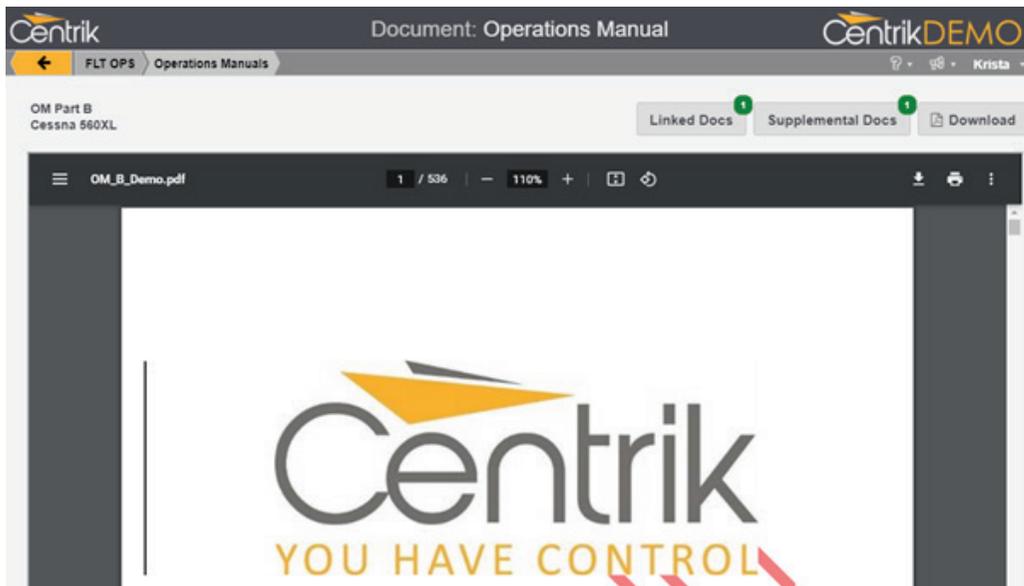
2b.

Particular attention should be paid the specific bullet type (i.e. number, letter or roman numeral), if a bullet type is repeated, the highlighting function will cease recognition at the point of repetition.

# Linking and Supplemental Documents

**Centrik 4.7 brings new functionality allowing document managers to link between existing documents and the ability to add supplemental documents – that is to say, adding multiple, separate files to a single Centrik document.**

Both these features will require a request to the support team to activate the features.



## 1) Supplemental Docs

To add a supplemental document simply navigate to the document edit page and click 'Add Attachment' or just drag and drop the additional file



1a.

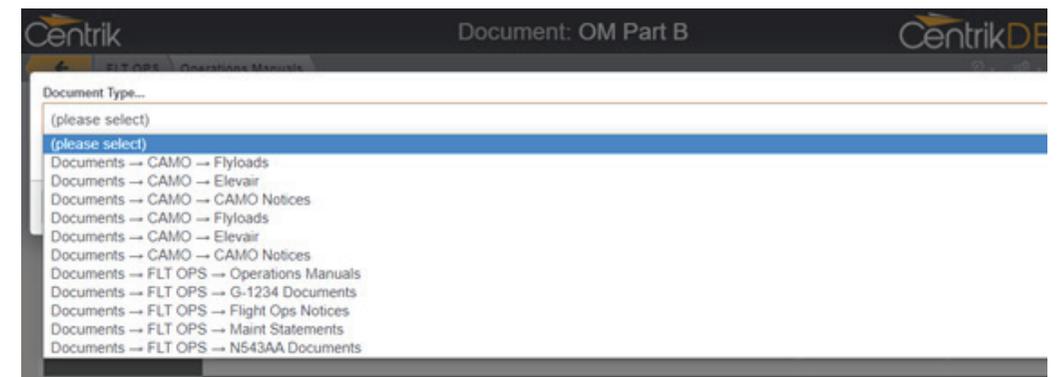
## 2) Linking Documents

Document managers can link an existing document from anywhere in the Documents module or a new document can be published from an existing document.

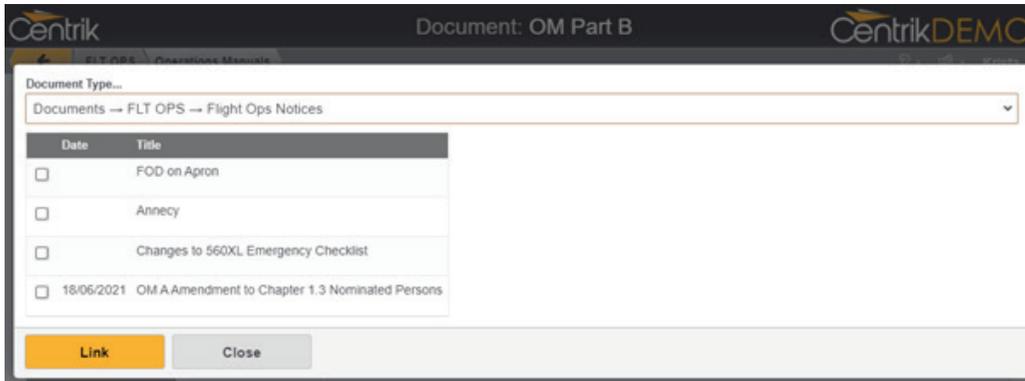


2a.

Click 'Link' to link an existing document in the system, then choose the folder and document to link to:



2b.



2c.

Click 'Add' to add a new document that you want this document to link to. Choose the folder, then enter document information and upload it:



2d.

This function can come with the ability to set permissions and restrict which document folders will allow linking. Please contact Centrik support to set this up.



2e.



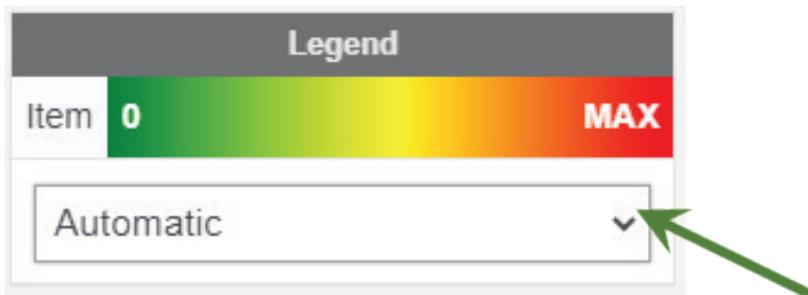
# Heatmap Improvements

Instead of assigning a simple red/yellow/green to each column based on its score, Centrik now treats the highest observed score as red, zero as green, and assigns a sliding scale of colours for the values in between.



The resulting heatmap draws the eye to those areas with the highest values. Please note that the colour range is separate for the individual cells (where red is assigned to 970, which is the highest value) and the columns (where red is assigned to 3947, the highest column).

It is still possible to switch to a “classic style” heatmap with only three colours at the bottom by selecting “Classic” from the legend drop-down at the bottom:



Overall Score	Risk Category						
8434	Airworthiness	Ground Operations	Flight Operations	S			
Airbus			0	7			
Beechcraft King Air	4	42	0	113	14	31	0
Beechjet							
Boeing							
Bombardier Challenger	105	24	120	118	152	45	50
Bombardier GLEX	431	50	85	30	667	139	50
Cessna Citation	2	53	0	102	203	107	0
Cessna 560XL (all variants)	11	89	110	233	53	212	0
Cessna Mustang	0	28	0	84	0	52	
Domier Jet (Do328)					0	1	
Embraer Legacy	21	130	23	378	22	185	0
Embraer Lineage					32	3	
Embraer Phenom	0	23	2	88	10	36	
Falcon 2000/300	236	30	4	90	157	104	0
Falcon TX/RX	86	45	263	8	970	190	1
Gulfstream GIV/GV	229	18	100	11	626	27	
Gulfstream GVI	101	7	0	2	102	18	0
Hawker	0	1	1	2	0	1	
Learjet			0	1			
Pilatus			20	2	4	2	
Global 5000	2	1			8	5	
No Specific Fleet	175	71	106	186	885	161	51
Not Aircraft Related	0	1	5	10	11	6	0
Not Specified	40	9	24	10	31	15	0
	1443	648	863	1500	3947	1389	60

'Standard' results in a heatmap where individual cells have only one of three colours, with defined thresholds. This view has been tweaked slightly in version 4.7, however, as the three colours are now also applied to individual cells, not just the whole column.

This same, new look applies to the Finding heatmap in the Compliance/Quality and Risk systems as well.

Overall Score 8434		Risk Category															
		Airworthiness		Ground Operations		Flight Operations		Security		Findings		Other	Not Specified	Unknown			
Airbus						0	7			0	2			0	1		
Beechcraft King Air		4	42	0	115	14	31	0	1			0	3		0	17	
Beechjet																	
Boeing																	
Bombardier Challenger		105	24	120	118	152	45	50	3	10	3	0	18		0	14	
Bombardier GLEX		431	56	85	30	667	158	502	1	162	62	41	12		0	26	
Cessna Citation		2	69	0	102	203	107	0	1			0	12		0	32	
Cessna 560XL (all variants)		11	98	110	233	53	212	0	4	0	1	0	26		0	56	
Cessna Mustang		0	28	0	84	0	52					0	5		0	37	
Dornier Jet (Do328)						0	1										
Embraer Legacy		21	130	23	378	22	185	0	2	21	2	0	36		0	49	
Embraer Lineage						32	5										
Embraer Phenom		0	23	2	98	10	56					0	18		0	9	
Falcon 2000/900		236	30	4	30	157	104	0	2	20	11	1	18		1	18	
Falcon 7X/8X		86	45	263	8	970	198	1	1	201	48	102	4		0	3	
Gulfstream GIV/GV		229	18	100	11	626	27			0	7	0	1		0	3	
Gulfstream GVI		101	7	0	2	102	18	0	1	0	4				0	5	
Hawker		0	1	1	2	0	1										
Learjet				0	1												
Pilatus				20	2	4	2										
Global 5000		2	1			8	3										
No Specific Fleet		175	71	106	186	885	161	51	31	702	55	68	458		0	118	
Not Aircraft Related		0	1	5	10	11	6	0	6	22	7	107	113				
Not Specified		40	8	24	10	31	15	0	2	20	3	21	12	78	2083		
		1443	648	863	1598	3947	1388	604	55	1158	206	340	713	78	2083	1	408

# Risk Controls

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## Introduction

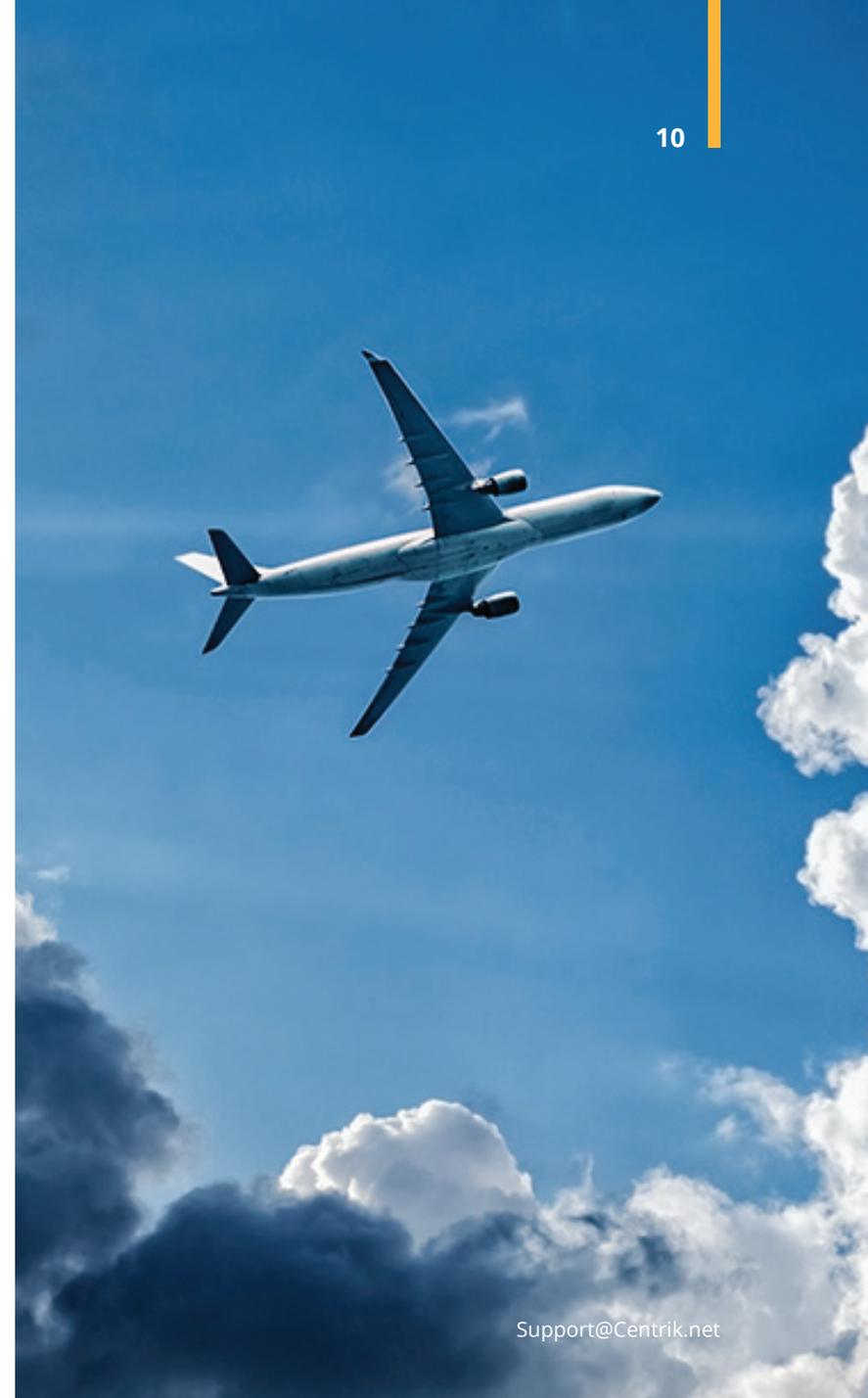
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**Centrik version 4.7 introduces Risk Controls functionality, a new suite of safety assurance tools which allow customers to demonstrate to regulators the effectiveness of risk and safety management systems.**

Risk Controls allows users with responsibility for risk management system oversight to assess and report the effectiveness of mitigations used to prevent hazards being realised, and minimise their impact when they do. This adds powerful safety assurance functionality to Centrik, a key emerging requirement from regulators seeking to ensure that systems demonstrate how they work to reduce the incidence and impact of adverse events.

A typical compliance monitoring system monitors the operator's activities for regulatory compliance. However, within a 'pure' safety management system that does not deal with regulatory compliance, the only auditing that is required is ensuring that mitigations which have been implemented to control risks are being carried out. With the addition of Risk Controls, the numeric results from the audit of the risk mitigations can now be displayed on the risk assessment, thus indicating the impact of the risk mitigation effectiveness on any risks and hazards. Most compliance monitoring systems will audit both regulations and risk mitigations at the same time.

The nature of the Risk Controls functionality forces the risk manager to determine how a risk mitigation can be measured. A risk mitigation that cannot be measured and is not 'inherent' is of dubious value as a risk manager cannot quantify whether the mitigation is effective or not.



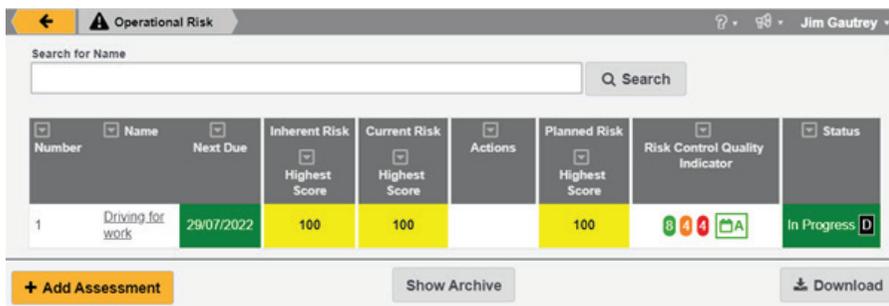
## Risk Controls in Centrik

The Risk Controls consist of a description of the barriers / controls / mitigations that are used to reduce risks and a numeric representation of their effectiveness (known as a Risk Control Quality Indicators or RCQI). Currently, the mitigation of a hazard is surmised in a text box, independent of the wider Centrik system. Risk Controls provide a direct link between the hazard and the Centrik tool being used to mitigate a specific risk.

From the Risk Control link, RCQIs are derived from data across the Centrik system, such as Audits, Documents, Training Qualifications and Training Checklists, and displayed in an at-a-glance view to give a simple visual representation of overall effectiveness.

Risk Managers can add, edit and archive Risk Controls. A single Risk Control can be used in one or more risk assessments. Risk Controls is turned off by default and must be enabled by Centrik support.

The risk controls are visible in the risk register as shown below:



Number	Name	Next Due	Inherent Risk Highest Score	Current Risk Highest Score	Actions	Planned Risk Highest Score	Risk Control Quality Indicator	Status
1	Driving for work	29/07/2022	100	100		100	<span style="color: green;">B</span> <span style="color: orange;">C</span> <span style="color: red;">D</span> <span style="color: green;">A</span>	In Progress

Buttons: + Add Assessment, Show Archive, Download

There are two elements to the RCQIs. The first element is the numbered circles, which show the number of times the effectiveness of a particular risk control has been classified according to the table below:

RCQI Colour	RCQI Meaning
1	Alert - a risk control has failed. For example, an individual audit question has been answered as 'No', a training qualification has expired, or a document is out of date.
1	Caution - a risk control may have failed. For example, an individual audit question has been answered as 'In Part' or an item in a training checklist was passed on the second attempt.
1	No Significant Issues - a risk control has passed. For example, an individual audit question has been answered as 'Yes', a training qualification is in-date or a document is in date.
1	Incomplete - the item being assessed has not been completed.
1	Not Applicable - an individual audit question has been answered as 'Not Applicable'.

The numbers shown are the sum of the RCQIs over a specific time period (this is configurable).



The second part of the RCQI is when the Risk Control was most recently checked. Where a group of RCQIs are shown, the date for the most recent Risk Control is shown.



The item has been checked in the last 3 months

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The item has been checked between 3 and 12 months ago

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This item has been checked more than 12 months ago

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This item has never been checked

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The time frames shown are configurable.

The status of the risk controls is also shown in the risk and the hazard pages. An example is shown below. The typed mitigation boxes that Centrik clients currently see in the risk assessment are replaced with one or more individual risk controls.

<b>Hazard</b>	Headline <input type="text" value="Driving for company business"/>																																																																																																						
	Description <input type="text"/>																																																																																																						
<b>Hazard Status</b>	In Progress																																																																																																						
<b>Consequence</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Consequence</th> <th rowspan="2">Main Impact</th> <th colspan="2">Inherent Risk</th> <th rowspan="2">Current Risk Controls</th> <th colspan="2">Current Risk</th> <th colspan="2">Planned Risk</th> </tr> <tr> <th>Sev.</th> <th>Likel.</th> <th>Sev.</th> <th>Likel.</th> <th>Sev.</th> <th>Likel.</th> </tr> </thead> <tbody> <tr> <td rowspan="5">Driving for company business leading to a non-fatal accident</td> <td rowspan="5">General</td> <td style="background-color: #ffff00;">C</td> <td style="background-color: #ffff00;">4</td> <td>RC-000001 - Driving Licence  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span></td> <td style="background-color: #ffff00;">C</td> <td style="background-color: #ffff00;">4</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>RC-000002 - Driving Competence Checks  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>RC-000003 - Compliance with the driver monitoring programme  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>RC-000004 - Driving Licence Procedures  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">3</span></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">+ Add Risk Control...</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="5">Driving for company business leading to a fatal accident</td> <td rowspan="5">General</td> <td style="background-color: #ffff00;">B</td> <td style="background-color: #ffff00;">3</td> <td>RC-000001 - Driving Licence  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span></td> <td style="background-color: #ffff00;">B</td> <td style="background-color: #ffff00;">3</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>RC-000002 - Driving Competence Checks  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>RC-000003 - Compliance with the driver monitoring programme  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>RC-000004 - Driving Licence Procedures  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">+ Add Risk Control...</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"><b>Highest Score:</b></td> <td style="background-color: #ffff00;">100</td> <td style="background-color: #ffff00;">100</td> <td> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span></td> <td style="background-color: #ffff00;">100</td> <td style="background-color: #ffff00;">100</td> <td></td> <td></td> </tr> </tbody> </table>					Consequence	Main Impact	Inherent Risk		Current Risk Controls	Current Risk		Planned Risk		Sev.	Likel.	Sev.	Likel.	Sev.	Likel.	Driving for company business leading to a non-fatal accident	General	C	4	RC-000001 - Driving Licence <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>	C	4					RC-000002 - Driving Competence Checks <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>							RC-000003 - Compliance with the driver monitoring programme <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span>							RC-000004 - Driving Licence Procedures <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">3</span>					+ Add Risk Control...							Driving for company business leading to a fatal accident	General	B	3	RC-000001 - Driving Licence <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span>	B	3					RC-000002 - Driving Competence Checks <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>							RC-000003 - Compliance with the driver monitoring programme <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>							RC-000004 - Driving Licence Procedures <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span>					+ Add Risk Control...							<b>Highest Score:</b>		100	100	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span>	100	100		
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<b>Highest Score:</b>		100	100	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span>	100	100																																																																																																	
<b>Actions</b>	<input type="button" value="Add"/>																																																																																																						

1

This is a training qualification which is in date for two people.

2

These two items are from the compliance monitoring system, where two checklist items were 'Yes' (Green) and two checklist items were 'In Part' (Orange).

3

This is a document which is out of date.

4

This is an aggregation of all of the RCQIs to the left.

A more detailed explanation of Risk Controls will be made available on request to Support@Centrik.net.

**Centrik**  
YOU HAVE CONTROL

The logo features the word "Centrik" in a white, sans-serif font. Above the letter "e" is a stylized orange and white graphic element resembling a wing or a paper airplane. Below the main text, the tagline "YOU HAVE CONTROL" is written in a smaller, orange, all-caps sans-serif font. The background of the entire image is a dark, monochromatic photograph of an aircraft's nose and cockpit area, viewed from inside a hangar through a large window. The lighting is dramatic, with the aircraft's nose and cockpit windows being the primary light sources, creating a silhouette effect against the darker background.

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