

Electrical Safety Delivery Programme Single Approach to Isolations (SAI)

Guidance Documents

What a Good One Looks Like (WAGOLL)



CAT A ERAF (Issue 2 D) – Parts 1 & 2

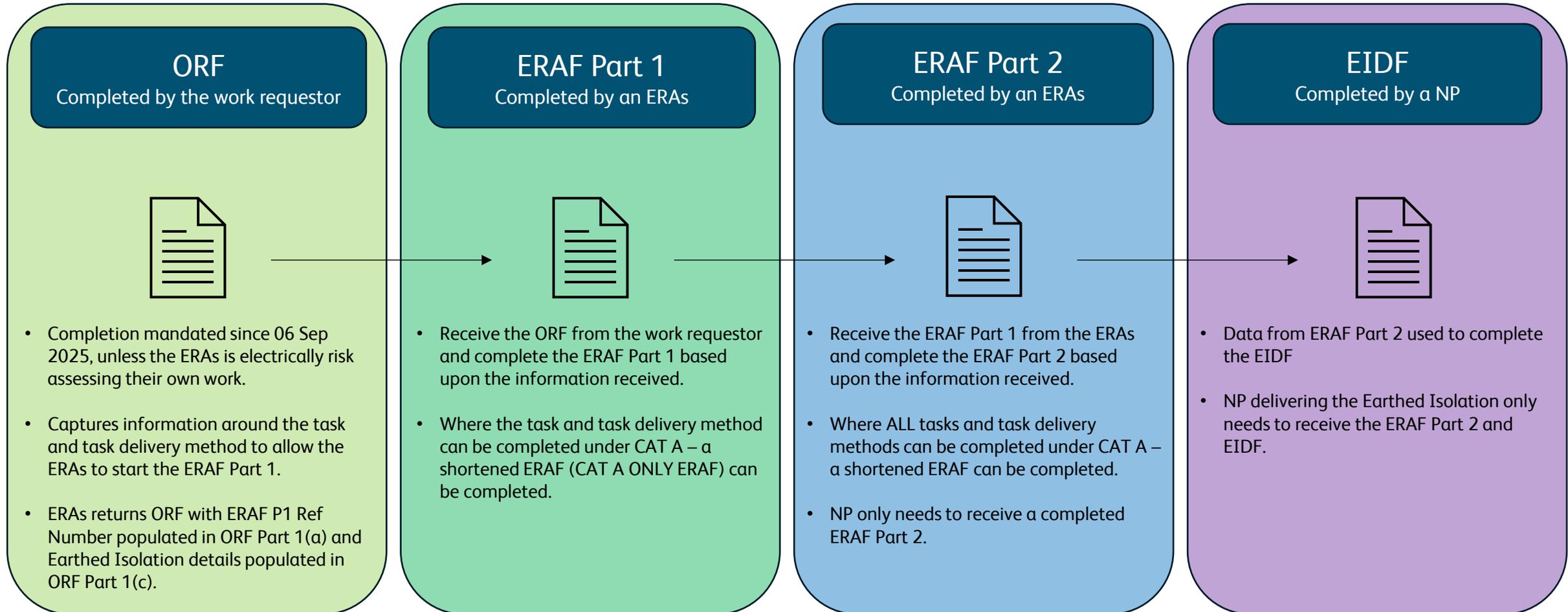
Created: 20 February 2026

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**Simpler.
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Forms Process Flow (Pre Isolation Planning)

How the form you are completing / filling in, fits into the process?



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CAT A ERAF – Part 1



NETWORK RAIL ELECTRICAL RISK ASSESSMENT FORM - ESSOW CAT A ONLY PART 1

Continuation sheet - If used just detail yes / no, and attach to the back.

Electrical Risk Assessor company filling out the ERAF.

Week Number and Outage Request Form reference – copied from the Outage Request Form.

If reused, detail date from previous Electrical Risk Assessment Form - Should be within 12 months if being renewed, as long as the work location and type is identical.

ELP/SAI25/ERAF/ Issue 2D	Continuation sheet?	Electrical Risk Assessor Company:	Week Number	ORF Reference:	If reused, include date from Part 2 of first use:	Revision:						
	No	IMDU Stafford	17	0369-wk01-01	N/A	1						
CAT A Part 1(a) – Task and Task Delivery Method details from the Outage Request Form												
ERAF P1 Ref:	Worksite Ref:	Requested Start Date & Time	Requested End Date & Time	OLP Limits		ELR / Line(s) / ATF / RC	Task Details	On/Off - Tracking Access Point	On / Off / Both	Line(s)	Location	
				Miles & chains							M	yd
NR-01	11435533	19/07/2025 22:40	20/07/2025 09:00	From	116m 20ch	Down Trent Valley Fast and Slow Up Trent Valley Fast & Slow - LTV	VEG OLE CLEARANCE OF THE LTV ELR: LEC2 - Chainsaw and Pole Saws in Use	Lichfield Trent Valley Station	Both	All Lines	116	24
				To	116m 35ch							
NR-01	11435826	19/07/2025 22:40	20/07/2025 09:00	From	0m 0ch	Up & Down Lichfield TV Chord - LTV	In Connection with Engineering Work ELR: LTV	N/A	N/A	N/A	N/A	N/A
				To	0m 20ch							
				From					Select			
				To					Select			
				From					Select			
				To					Select			

The Electrical Risk Assessor must assign a ERAF Ref. These should be unique to every ERAF completed.

The Part 1(a) information should be copied from the Outage Request Form. If there isn't enough information for the Electrical Risk Assessment to be completed, then it would need to be sent back to the work requestor.

The revision number is updated for any updates to the form.

ERAF Cat A Part 1(b) – Completed by the Electrical Risk Assessor.

CAT A Part 1(b) - Electrical sections, lines and limits required for the work				CAT A Part 1(c) - Overhead Line Permit Along Track Limits								
Electrical section(s) required to implement the isolation	Line(s) / ATF	Electrical section limit structures:		Worksite Ref:	Line(s) / ATF / RC	OLP Along-Track Limits & RoLE				Test Before Touch Method?	Issue at Site of Work?	ESSOW Category
						Limit structures:		Type of RoLE at ATL				
		From	To			From	To	From	To			
BN-1, 2, 3, 4 Complete	Up Trent Valley Slow	G122/10	G110/17	1435533	Up Trent Valley Fast	G116/108	G116/38	Aerial	Aerial		No	A
	Down Trent Valley Fast	G110/17	G122/11		Down Trent Valley Fast							
	Up Trent Valley Slow	G122/09	G110/17		Up Trent Valley Slow							
	Down Trent Valley Slow	G110/17	G122/12		Down Trent Valley Slow							
	Up and Down Lichfield TV Chord		G116/198		Up and Down Lichfield TV Chord							
	Up Siding No. 1		G116/47A		Up and Down ATF							
BN-1, 2, 3, 4 Complete	Up ATF	G122/09	G110/16C									
	Down ATF	G110/160	G122/12									

CAT A Part 1(b) - Electrical sections, lines and limits required for the work			
Electrical section(s) required to implement the isolation	Line(s) / ATF	Electrical section limit structures:	
		From	To
BN-1, 2, 3, 4 Complete	Up Trent Valley Slow	G122/10	G110/17
	Down Trent Valley Fast	G110/17	G122/11
	Up Trent Valley Slow	G122/09	G110/17
	Down Trent Valley Slow	G110/17	G122/12
	Up and Down Lichfield TV Chord		G116/198
	Up Siding No. 1		G116/47A
BN-1, 2, 3, 4 Complete	Up ATF	G122/09	G110/16C
	Down ATF	G110/160	G122/12

Cat A Part 1(b) – Electrical sections, lines and limits required for the work.

Electrical section limit structures to be obtained from isolation diagrams

There are two ways to fill in Part 1(b):-

1. Either the exact electrical sections or subsections required to meet the OLP along track limits in Part 1

Or if you know what earthed isolation this work will fit in....

2. Then you can enter those sections

If the earthed isolation is reduced, your Part 1 will then be invalid.

Worksite Ref. from ORF and Part 1(a).

Line(s) / ATF / RC – Detail the lines required for the Overhead Line Permit request.

OLP Along-Track Limits and RoLE equipment for each limit to cover the overhead line permit request.

Test Before Touch Method - If known place method one to four, if unknown leave blank at this time.

Is the permit going to be issued at the Site of Work or not. This is stipulated by the ERAs, depending on the complexity of work.

CAT A Part 1(c) - Overhead Line Permit Along Track Limits										
Worksite Ref:	Line(s) / ATF / RC	OLP Along-Track Limits & RoLE				Test Before Touch Method?	Issue at Site of Work?	ESSOW Category		
		Limit structures:		Type of RoLE at ATL						
		From	To	From	To					
1435533	Up Trent Valley Fast	G116/108	G116/38	Aerial	Aerial		No	A		
	Down Trent Valley Fast									
	Up Trent Valley Slow									
	Down Trent Valley Slow									
	Up and Down Lichfield TV Chord									
	Up and Down ATF									

Conformation of the Electrical Safe System of Work going to be used – This will always be “A” with this form.

CAT A Part 1(b) - Electrical sections, lines and limits required for the work				CAT A Part 1(c) - Overhead Line Permit Along Track Limits								
Electrical section(s) required to implement the isolation	Line(s) / ATF	Electrical section limit structures:		Worksite Ref:	Line(s) / ATF / RC	OLP Along-Track Limits & RoLE				Test Before Touch Method?	Issue at Site of Work?	ESSOW Category
		From	To			Limit structures:		Type of RoLE at ATL				
						From	To	From	To			
BN-1, 2, 3, 4 Complete	Up Trent Valley Slow	G122/10	G110/17	1435533	Up Trent Valley Fast	G116/108	G116/38	Aerial	Aerial		No	A
	Down Trent Valley Fast	G110/17	G122/11		Down Trent Valley Fast							
	Up Trent Valley Slow	G122/09	G110/17		Up Trent Valley Slow							
	Down Trent Valley Slow	G110/17	G122/12		Down Trent Valley Slow							
	Up and Down Lichfield TV Chord		G116/198		Up and Down Lichfield TV Chord							
	Up Siding No. 1		G116/47A		Up and Down ATF							
BN-1, 2, 3, 4 Complete	Up ATF	G122/09	G110/16C									
	Down ATF	G110/160	G122/12									

ORF Part 1(c) - Overhead Line Permit Along Track Limits completed by the ERAS					
Electrical section(s) required to implement the isolation	Worksite Ref:	Line(s) / ATF / RC	OLP Along-Track Limits		Test Before Touch Method?
			Limit structures:		
			From	To	
BN-1, 2, 3, 4 Complete	1435533	Up Trent Valley Fast	G116/108	G116/38	TBC
		Down Trent Valley Fast			
		Up Trent Valley Slow			
		Down Trent Valley Slow			
		Up and Down Lichfield TV Chord			
		Up and Down ATF			

Information from ERAF Cat A Part 1(b) and 1(c) shall be copied onto the ORF.

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CAT A ERAF – Part 2



ERAF Cat A Part 2 – Completed by the Lead Earthed Isolation Provider.

ELP/SAI25/ERAF/ Issue 2D	Continuation sheet?	Lead Earthed Isolation Provider	Week Number	ERAF Reference:	If reused, include date from Part 2 of first use:	Revision:
	No	IMDU Stafford	17	NR-01 - P2	N/A	1

CAT A Part 2(a) – Task and Task Delivery Method details from CAT A ERAF Part 1(s)

Are you the person representing the lead Earthed Isolation provider identified on the IPF, who will complete Part 2 of this Electrical Risk Assessment Form?
If No, send the approved Part 1 ERAF to the lead Earthed Isolation provider and there is NO FURTHER ACTION required on this form. If Yes, continue below.

(Y/N) Y

Part 2 of this CAT A ERAF can only be completed if all tasks will be undertaken using ESSOW CAT A.
 Part 2 of the Full ERAF **MUST** be completed if ESSOW B or D is required.

ERAF P1 Ref:	Worksite Ref:	Requested Start Date & Time	Requested End Date & Time	OLP Limits		ELR / Line(s) / ATF / RC	Task Details	On/Off - Tracking Access Point	On / Off / Both	Line(s)	Location	
				Miles & chains							M	yd
NR-01	11435533	19/07/2025 22:40	20/07/2025 09:00	From	116m 20ch	Down Trent Valley Fast and Slow Up Trent Valley Fast & Slow - LTV	VEG OLE CLEARANCE OF THE LTV ELR: LEC2 - Chainsaw and Pole Saws in Use	Lichfield Trent Valley Station	Both	All Lines	116	24
To	116m 35ch											
NR-01	11435826	19/07/2025 22:40	20/07/2025 09:00	From	0m 0ch	Up & Down Lichfield TV Chord - LTV	In Connection with Engineering Work ELR: LTV	N/A	N/A	N/A	N/A	N/A
To	0m 20ch											
LB-wk17-21	25869874	19/07/2025 23:00	22/07/2025 05:00	From	116m 25ch	Down Trent Valley Fast and Slow Up Trent Valley Fast & Slow	Bridge Examination - Scaffolding Erected to Conduct the Annual Examination	N/A	N/A	N/A	N/A	N/A
To	116m 29ch											
				From					Select			
				To					Select			

CAT A Part 2(b) - Electrical sections, lines and limits published in the IPF

CAT A Part 2(c) - Overhead Line Permit Along Track Limits

Electrical section(s) required to implement the isolation	Line(s) / ATF	Electrical section limit structures:		Worksite Ref:	Line(s) / ATF / RC	OLP Along-Track Limits & RoLE				Test Before Touch Method?	Issue at Site of Work?	ESSOW Category
		From	To			Limit structures:		Type of RoLE at ATL				
						From	To	From	To			
BN-1, 2, 3, 4 Complete	Up Trent Valley Slow	G122/10	G110/17	1435533	Up Trent Valley Fast	G116/108	G116/38	Aerial	Aerial	Method 1	No	A
	Down Trent Valley Fast	G110/17	G122/11	and	Down Trent Valley Fast							
	Up Trent Valley Slow	G122/09	G110/17	25869874	Up Trent Valley Slow							
	Down Trent Valley Slow	G110/17	G122/12		Down Trent Valley Slow							
	Up and Down Lichfield TV Chord			G116/198	Up and Down Lichfield TV Chord							
	Up Siding No. 1				Up and Down ATF							
BN-1, 2, 3, 4 Complete	Up ATF	G122/09	G110/16C									
	Down ATF	G110/160	G122/12									

NETWORK RAIL ELECTRICAL RISK ASSESSMENT FORM - ESSOW CAT A ONLY PART 2



Continuation sheet –
If used just detail yes / no,
and attach to the back.

Electrical Risk Assessor Company
filling out the ERAF.
(Lead Earthed Isolation Provider)

Week Number
copied from Part 1

ERAF reference from Part 1
with - P2 added as an
example

If reused; detail date
from previous Electrical
Risk Assessment Form –
Should be within 12
months if being renewed.

The revision number
is updated for any
updates to the form.

ELP/SAI25/ERAF/ Issue 2D	Continuation sheet? No	Lead Earthed Isolation Provider IMDU Stafford	Week Number 17	ERAF Reference: NR-01 - P2	If reused, include date from Part 2 of first use: N/A	Revision: 1						
CAT A Part 2(a) – Task and Task Delivery Method details from CAT A ERAF Part 1(s)												
Are you the person representing the lead Earthed Isolation provider identified on the IPF, who will complete Part 2 of this Electrical Risk Assessment Form? If No, send the approved Part 1 ERAF to the lead Earthed Isolation provider and there is NO FURTHER ACTION required on this form. If Yes, continue below.					(Y/N)	Y						
Part 2 of this CAT A ERAF can only be completed if all tasks will be undertaken using ESSOW CAT A. Part 2 of the Full ERAF MUST be completed if ESSOW B or D is required.												
ERAF P1 Ref:	Worksite Ref:	Requested Start Date & Time	Requested End Date & Time	OLP Limits		ELR / Line(s) / ATF / RC	Task Details	On/Off - Tracking Access Point	On / Off / Both	Line(s)	Location	
				Miles & chains							M	yd
NR-01	11435533	19/07/2025 22:40	20/07/2025 09:00	From	116m 20ch	Down Trent Valley Fast and Slow Up Trent Valley Fast & Slow - LTV	VEG OLE CLEARANCE OF THE LTV ELR: LEC2 - Chainsaw and Pole Saws in Use	Lichfield Trent Valley Station	Both	All Lines	116	24
				To	116m 35ch							
NR-01	11435826	19/07/2025 22:40	20/07/2025 09:00	From	0m 0ch	Up & Down Lichfield TV Chord - LTV	In Connection with Engineering Work ELR: LTV	N/A	N/A	N/A	N/A	N/A
				To	0m 20ch							
LB-wk17-21	25869874	19/07/2025 23:00	22/07/2025 05:00	From	116m 25ch	Down Trent Valley Fast and Slow Up Trent Valley Fast & Slow	Bridge Examination - Scaffolding Erected to Conduct the Annual Examination	N/A	N/A	N/A	N/A	N/A
				To	116m 29ch							
				From					Select			
				To					Select			

Confirm the person filling in Part 2 is the Lead Earthed Isolation Provider.

If not send the ORF and ERAF Part 1 to the Lead Earthed Isolation Provider.

Information in Part 2(a) will be copied from Part 1 along with any other work that it can be combined with.

Part 2 of this Cat A ERAF can only be completed if all tasks within this earthed isolation are undertaken using Electrical Safe System of Work Cat A.
If combined with different Part1's that are not Cat A, you must fill in Full ERAF Part 2

Electrical sections, lines and limits – these are the ones published in the IPF.
 This may get larger or smaller depending on what the Route Isolation Planner can achieve after the Route Isolation Planner has looked at all the work requests.

CAT A Part 2(b) - Electrical sections, lines and limits published in the IPF				CAT A Part 2(c) - Overhead Line Permit Along Track Limits								
Electrical section(s) required to implement the isolation	Line(s) / ATF	Electrical section limit structures:		Worksite Ref:	Line(s) / ATF / RC	OLP Along-Track Limits & RoLE				Test Before Touch Method?	Issue at Site of Work?	ESSOW Category
						Limit structures:		Type of RoLE at ATL				
		From	To			From	To	From	To			
BN-1, 2, 3, 4 Complete	Up Trent Valley Slow	G122/10	G110/17	1435533	Up Trent Valley Fast	G116/108	G116/38	Aerial	Aerial	Method 1	No	A
	Down Trent Valley Fast	G110/17	G122/11	and	Down Trent Valley Fast							
	Up Trent Valley Slow	G122/09	G110/17	25869874	Up Trent Valley Slow							
	Down Trent Valley Slow	G110/17	G122/12		Down Trent Valley Slow							
	Up and Down Lichfield TV Chord		G116/198		Up and Down Lichfield TV Chord							
	Up Siding No. 1		G116/47A		Up and Down ATF							
BN-1, 2, 3, 4 Complete	Up ATF	G122/09	G110/16C									
	Down ATF	G110/160	G122/12									

Both worksites from ERAF Cat A Part 2 (a) detail that they are both receiving the same earthed isolation.
 Ensure that all Overhead Line Permit limits fit within the electrical limits listed in Part 2(b).

Any questions?

For more information, please visit

[Electrical Safety - Safety Central \(networkrail.co.uk\)](https://www.networkrail.co.uk/electrical-safety-safety-central)

or contact the team

ESDCommunication@networkrail.co.uk