

Page 1 of 6	ISO 9001: 2008	Effective from 21.12.2021	SIF No. 0524	Version 2.0
Document Title : TCAS Field Trial for Various Scenarios - Observation Format / Site Acceptance Testing Format				



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS

TCAS Field Trial for Various Scenarios - Observation Format /Site Acceptance Testing Format

Issued by

SIGNAL DIRECTORATE
RESEARCH, DESIGNS & STANDARDS ORGANISATION
MINISTRY OF RAILWAYS
MANAK NAGAR
LUCKNOW – 226 011

Signature with Date				Signature with Date	
Name and Designation (Firm Representative)				Name and Designation (ZR official)	

Page 2 of 6	ISO 9001: 2008	Effective from 21.12.2021	SIF No. 0524	Version 2.0
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Date:	Loco:	Loco Package:	Loco Type : Diesel / Electric
Formation:	Loco Pilot:	Assistant Loco Pilot:	

SPAD Prevention Testing						
Station	Signal	Commencement of Braking		Release of Braking		Remarks
		Speed (kmph)	Distance to Signal (m)	Speed (kmph)	Distance to Signal (m)	

Loop Line Speed Control						
Station	Line	Commencement of Braking		Release of Braking		Remarks
		Speed (kmph)	Distance to TO (m)	Speed (kmph)	Distance to TO (m)	

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Page 3 of 6	ISO 9001: 2008	Effective from 21.12.2021	SIF No. 0524	Version 2.0
Document Title : TCAS Field Trial for Various Scenarios - Observation Format / Site Acceptance Testing Format				

Permanent Speed Restriction Monitoring							
Station / Section	Abs Location		Commencement of Braking		Release of Braking		Remarks
	As per LP memo Location (Speed)	As displayed on DMI Location (Speed)	Speed (kmph)	Distance to PSR (m)	Speed (kmph)	Distance to PSR (m)	

Unusual Stoppage in Block Section						
Station / Section	Abs Location	Acknowledgment given before SoS generation (Yes / No)	SoS Generated (Yes / No)	Acknowledgment given after SoS generation (Yes / No)	SoS Transmission Stopped (Yes / No)	Remarks

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Page 4 of 6	ISO 9001: 2008	Effective from 21.12.2021	SIF No. 0524	Version 2.0
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Section Speed / Maximum Permissible Loco Speed Monitoring					
Station / Section	Maximum Section Speed (kmph)	Maximum Loco Speed (kmph)	Commencement of Braking	Release of Braking	Remarks
			Speed (kmph)	Speed (kmph)	

Head On Collision Prevention							
Station / Section	Other Loco Details (TCAS Make and Loco Number)	Commencement of Braking		Release of Braking		Distance between Locomotives at Stoppage	Remarks
		Speed (kmph)	Distance to other Loco (m)	Speed (kmph)	Distance to other Loco (m)		

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Page 5 of 6	ISO 9001: 2008	Effective from 21.12.2021	SIF No. 0524	Version 2.0
Document Title : TCAS Field Trial for Various Scenarios - Observation Format / Site Acceptance Testing Format				

Rear End Collision Prevention								
Station / Section	Other Loco Details (TCAS Make and Loco Number)	Commencement of Braking		Release of Braking		Distance between Locomotives at Stoppage	Brakes Applied in Front Loco (Yes / No)	Remarks
		Speed (kmph)	Distance to other Loco (m)	Speed (kmph)	Distance to other Loco (m)			

Roll Back Protection				
Station / Section	Loco Movement Direction	TCAS Mode	Distance Moved by loco before dead stop	Remarks

Reverse Movement				
Station / Section	Loco Movement Direction	TCAS Mode	Distance Moved by loco before dead stop	Remarks

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Page 6 of 6	ISO 9001: 2008	Effective from 21.12.2021	SIF No. 0524	Version 2.0
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Note

- The loco pilot shall be asked to not apply brakes on approach of target i.e Signal at Danger, PSR or Loop line. The corresponding memo shall be taken beforehand for testing.
- Values given in sheet are for example purposes only.

Any Other Observations

Loco Software Checksum Details

Card/ Module	Checksum

Stationary TCAS Software Checksum Details

Card/ Module	Checksum

Signature with Date				Signature with Date	
Name and Designation (Firm Representative)				Name and Designation (ZR official)	