

CHANNEL TUNNEL SAFETY AUTHORITY WORK PLAN – 2024

A. SUPERVISION

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
	RESCUE AND PUBLIC SAFETY TOPICS				
A1	Risks associated with lithium-ion batteries	Emergency response Safety management	Assess Eurotunnel's plans for managing risks across all procedures relating to lithium-ion batteries	Eurotunnel risk assessments submitted via the Dangerous Goods sub-group	Continuation of work from 2023 Attendance at Dangerous Goods sub-group meetings as required Representatives of UK and FR delegations to WG1
A2	Fire detection systems	Management of ageing equipment and infrastructure Emergency response Safety management	Follow-up to the CTSA inspection carried out in April 2016 and the BEA-TT/RAIB report on the fire in 2015 (Recommendation 2) Review Eurotunnel's independent study of its fire detection systems and replacement projects	Specific meetings being arranged to discuss detailed plans Fire and rescue representatives from both delegations to liaise with ET, reporting to WG1 on progress of the project	Continuation of work from 2023 UK and FR CTSA inspectors

CTSA Work Plan 2024

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
			<p>Particular focus on the Running Tunnels and HGV shuttle on-board systems</p> <p>Confirm what review process is used to assess any technology developments that could improve the speed and efficiency of for fire detection</p>		
A3	Communications systems used in the event of an emergency	<p>Emergency response</p> <p>Management of safety</p>	Review the existing arrangements for communications systems and procedures in the event of an emergency	<p>UK – Department for Transport (DfT) is leading the Emergency Services Network (ESN) national project with members of emergency services involved in regular meetings</p> <p>France – members of emergency services involved in regular meetings for Réseau radio du futur (RRF) project</p> <p>WG1 working on the short/medium term position with ET to utilise wifi systems for communications methods (voice, data and video)</p>	<p>Continuation of work from 2023</p> <p>WG1 UK and FR representatives involved in regular meetings in respective countries</p>

CTSA Work Plan 2024

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
A4	FLOR (UK and FR) Operational Procedures	Emergency response Management of safety	To assess the adequacy of the documented FLOR emergency response procedures Follow up Eurotunnel's response to the CTSA's 2015 firefighting review (recommendations 9 and 11, relating to FR FLOR)	Inspection of the FLOR operational procedures, by examining training records and carrying out interviews with FLOR Commanders/ personnel	Continuation of work from 2023 CTSA inspectors UK and FR
A5	Emergency response arrangements for security-related incidents	Emergency response	Review the current arrangements for Eurotunnel and SLOR in relation to security-related incidents	Home Office leading for UK Specific plans (UK and FR) to be developed by emergency services with ET and discussed at WG1 Plans to incorporate the medical care arrangements for severe trauma incidents	Continuation of work from 2023 Regular meetings of UK and FR representatives of WG1
A6	Gas-powered HGVs	Management of safety Emergency response	Eurotunnel has prepared a safety dossier for the transportation of gas (LNG) powered HGVs as they are becoming more prevalent in haulage industry	Meetings with ET and WG1 representatives to discuss the safety implications Review of safety analysis in accordance with CSM RA Engaging of a third party to assist with the analysis of the	Continuation of work from 2023 UK and FR CTSA inspectors Meetings via WG1 Dangerous Goods subgroup

CTSA Work Plan 2024

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
				<p>safety file for alternative fuel systems</p> <p>Inspection of the LNG pit stop procedures</p>	
A7	Passenger shuttle evacuation procedures	<p>Management of safety</p> <p>Emergency response</p>	Review the detailed procedures for Eurotunnel's passenger shuttle evacuation following the 23 August 2022 incident and subsequent investigation	Inspection of written procedures and training plans. Interviews with train staff and managers responsible for writing procedures and delivering training	CTSA inspectors UK and FR
A8	Emergency planning	<p>Management of safety</p> <p>Emergency response</p>	To monitor Eurotunnel's review of its emergency planning arrangements following the catenary incident of 23/10/2021 and CTSA's inspection (2021) of preparation for severe weather events	<p>Analysis of various reports from ET's external consultants and ET's resultant improvement plan</p> <p>Attend meetings with ET to provide feedback and gauge progress</p> <p>Inspection of ET's emergency plan for severe weather events</p>	<p>Continuation of work from 2023</p> <p>CTSA inspectors UK and FR</p>
A9	BINAT 35 (annual safety exercise)	Emergency response	Lead the planning and preparation for the Binat 35 safety exercise	Regular planning meetings for strategy and logistics	CTSA inspectors UK and FR

CTSA Work Plan 2024

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
A10	UK FLOR contractor	Emergency response	Monitor Eurotunnel's plans for the replacement of the UK FLOR contractor	Review plans put in place by ET to manage the risks associated with the change of contractor	CTSA inspectors UK and FR
	RAIL SAFETY & TRANSPORT ISSUES				
	Planned preventive inspections				
A11	Eurotunnel Driver management inspection – focusing on works train drivers	Eurotunnel safety management system	Check competence of works train drivers in line with the conditions set out in Eurotunnel's SMS	In situ checks	UK (lead) and FR CTSA inspectors
	Planned reactive work				
A12	Eurotunnel and RUs Monitoring of incidents	Management of safety	Check that appropriate actions are taken and be able to adapt supervision	Through WG1 or CTSA, reviewing SRI and other information	Continuous work

CTSA Work Plan 2024

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
A13	<p>Eurotunnel and RUs</p> <p>Communications between Eurotunnel and the railway undertakings, with particular regard to managing and analysing incidents</p>	Eurotunnel safety management system	Check there is effective communication, cooperation and learning from experience is shared	Monitoring through WG1 or CTSA	Continuous work
A14	CTSA recommendations	<p>Management of safety</p> <p>Eurotunnel safety management system</p>	Check that appropriate actions are taken and be able to adapt supervision	Monitoring through WG1, NSA Safety Monitoring Group (SMG) or CTSA	Continuous work
A15	<p>Eurotunnel</p> <p>Suspension spring loss issue</p>	<p>Management of ageing equipment and infrastructure</p> <p>Safety management</p>	Check that appropriate actions are taken and be able to adapt supervision	Monitoring through CTSA	Continuous work

CTSA Work Plan 2024

	Inspection or audit subject	Link to the IGC's supervision strategy	Purpose	Methodology	Frequency and resources
	CIVIL ENGINEERING ISSUES				
A16	Eurotunnel Civil engineering structure	Supervision and monitoring		Review of Eurotunnel's annual civil engineering monitoring reports sent to the CTSA	Annual monitoring by CETU and ORR (acting on behalf of for CTSA FR and UK respectively)
A17	Eurotunnel Civil engineering inspection focusing on geotechnical engineering and management of earthworks	Supervision and monitoring	To examine Eurotunnel's approach to the management of earthworks and drainage assets, focussing on the UK terminal. These areas have been highlighted as being in need of attention in Eurotunnel's annual civil engineering reports	Inspection of Eurotunnel's safety management and in situ checks of drainage assets	UK (lead) and FR CTSA inspectors, with input from ORR and CETU (as appropriate)

B. SAFETY CERTIFICATION, SAFETY AUTHORISATION & AUTHORISATIONS TO PLACE INTO SERVICE

	Tasks	Purpose	Methodology	Timing and resources
B1	<p>Eurotunnel</p> <p>Safety authorisation renewal</p>	<p>To ensure timely and robust consideration by IGC of Eurotunnel’s application to renew their safety authorisation as infrastructure manager for the Channel Tunnel</p>	<p>Assessment to be carried out in line with Regulation 1169/2010/EC in advance of IGC decision by deadline</p> <p>Application was received on 28/11/23</p> <p>Assessors acting on behalf of CTSA to provide advice to IGC</p> <p><u>CTSA to oversee the completion of any outstanding actions identified during the assessment</u></p>	<p>CTSA inspectors (UK & FR) in consultation with ORR and EPSF to conduct assessment and provide advice to IGC</p> <p>Current authorisation expires 27/3/2024, renewal expected to be granted by 28/3/2024</p>
B2	<p>Eurostar</p> <p>Safety certificate amendment</p> <p>Consider EIL’s application for an amendment to its safety certificate following the merge of Eurostar and Thalys operations</p>	<p>To ensure timely and robust consideration by IGC with respect to Eurostar’s safety certificate for international passenger services</p>	<p>IGC: Part B for the Tunnel</p>	<p>Request received December 2023</p> <p>CTSA inspectors (UK & FR) in consultation with ORR and EPSF</p>

CTSA Work Plan 2024

<p>B3</p>	<p>Passenger shuttles mid-life (OPMV)</p>	<p>Check that the change is safely managed by Eurotunnel, especially regarding fire detection and extinguishing system</p> <p>Take into account that the Halon gas derogation expires 31 December 2027</p> <p>First shuttle due autumn 2023 (including hybrid extinguishing system), project completion 2028</p> <p><u>Ensure that vehicles are authorised to be placed into service in accordance with relevant legislation</u></p>	<p>Discussions at Eurotunnel-convened ad hoc working group meetings</p>	<p>UK and FR CTSA delegates to attend meetings approx. every four months</p>
<p>B4</p>	<p>Replacement of Works Train locos (Schöma)</p>	<p>Check that the change has been managed safely by Eurotunnel</p> <p><u>Ensure that vehicles are authorised to be placed into service in accordance with relevant legislation</u></p>	<p>Discussions at Eurotunnel-convened ad hoc working meetings</p>	<p>UK and FR CTSA delegates to attend meetings as required</p>
<p>B5</p>	<p>Breda replacement wagons project, 4 new shuttles (ELH WBN / Tatravagonka), 33 new wagons</p>	<p><u>Ensure that vehicles are authorised to be placed into service in accordance with relevant legislation</u></p>		<p>Meetings as required</p>

CTSA Work Plan 2024

B6	Consideration of applications from railway undertakings to place vehicles into service within the fixed link	<p>To ensure timely and robust consideration by IGC of any applications</p> <p>Examine requests in conjunction with the NSAs under the IGC/EPST/ARR cooperation agreement</p> <p><u>Ensure that vehicles are authorised to be placed into service in accordance with relevant legislation</u></p>	Discussions at ad hoc working groups	Meetings as required
B7	ERTMS on infrastructure / on board	Check that the change is safely managed by Eurotunnel		Target completion date 2030

C. DEVELOPMENT OF THE REGULATORY SAFETY FRAMEWORK

	Task	Purpose	Managed by	Notified	Methodology	Timescale and resources
C1	Unified safety rules	Maintain the reference document for the Channel Tunnel reference rules with regard to vehicle authorisations	Secretariat	CTSA	Ensure that the reference document is always up-to-date and that it reflects any change in national regulations	Ongoing