Title	Allocation to	Main targets	Reference Guideline Contents					
			JAPAN	USA	Canada	EC	Australia	China
Framework document on automated /autonomous vehicles	GRVA	Automated / Autonomous vehicles	*VISION *Safety Concept *Items Related Vehicles Safety (10 items) (i)Establishment of operational design domain (ii)Safety of automated driving system (iii) Compliance with safety regulations, etc. (iv) Human Machine Interface (HMI) (v) Mounting of a data recording device (vi) Cyber Security (vii) Safety of vehicles for unmanned automated driving transportation service (additional requirements) (viii) Safety Evaluation (ix) Ensuring Safety in use process (x) Provision of information to users of automated driving vehicles	*VISION *ADS Safety Elements (12 items) (i)System Safety (ii)Operational Design Domain (iii)Object and Event Detection and Response (iv)Fallback (Minimal Risk Condition) (v)Human Machine Interface (vi) Consumer Education and Training (vii) Vehicle Cyber Security (viii) Crash worthiness (ix)Post Crash Behavior (x) Data recording (xi) Validation methods (xii) Federal, State, and Local Laws	* Vision (i) ODD (ii) Object Event Detection and Response (iii) Safety Systems (iv) Testing and Validation (v) HMI and Accessibility of Controls (vi) Cyber Security (vii) User Protection during Collisions or System Failures (viii) Public Education and Awareness (ix) Level of Automation and Intended Use (x) International Standards and Best Practices (xi) System Updates and After-Market Repairs/Modifications (xii) User Privacy (xiii) Collaboration with Government Agencies and Law Enforcement	*VISION *Safety Concept *Safety Requirements (8 items) (i) System Performance in the Automated Driving mode (ii) Driver/ Operator/ Passenger interaction (iii) Transition of the Driving Task (iv) Minimum Risk Manoeuvre (v) Installation of Event Data Recorders (vi) Cyber security (vii) Safety Assessment and Tests (viii) Information Provision to Automated Vehicle Users	*Safety criteria (i) Safe system design and validation processes (ii) Operational design domain (iii) Human-machine interface (iv) Compliance with relevant road traffic laws (v) Interaction with enforcement and emergency services (vi) Minimal risk condition (vii) On-road behavioural competency (viii) Installation of system upgrades (ix) Verifying for the Australian road environment (x) Cybersecurity (xi) Education and training	* Vision (i) ODD (ii) Testing and Validation (iii) HMI (iv) Data Recording (v) Driver Education (vi) Compliance to National Requirments (vii) Safety Assessment and Tests (viii) Basic Security Function
							* Obligations (i) Data recording and sharing (ii) 2. Corporate presence in Australia (iii) 3. Minimum financial requirements	

Title	Allocation to	Main targets	Reference Guideline Contents					
			JAPAN	USA	Canada	EC	Australia	China
Functional Requirements for automated / autonomous vehicles	GRVA	Automated / Autonomous vehicles	(i)Establishment of operational design domain (ii)Safety of automated driving system (iv) Human Machine Interface (HMI) (vii) Safety of vehicles for unmanned automated driving transportation service (additional requirements)	(i)System Safety (ii)Operational Design Domain (iii)Object and Event Detection and Response (iv)Fallback (Minimal Risk Condition) (v)Human Machine Interface	(i) ODD (iii) Safety Systems and Accessibility of Controls (viii) Public Education and Awareness (ix) Level of Automation and Intended Use (x) International Standards and Best Practices	(ii) Driver/ Operator/ Passenger interaction (iii) Transition of the Driving Task (iv) Minimum Risk Manoeuvre (vii) Safety Assessment and Tests	(ii) Operational design domain (iii) Human-machine interface (v) Interaction with enforcement and emergency services (vi) Minimal risk condition (vii) On-road behavioural competency	(i) ODD (iii) HMI (v) Driver Education (vi) Compliance to National Requirments (vii) Safety Assessment and Tests (viii) Basic Security Function
New assessment / Test method	GRVA	Automated / Autonomous vehicles	(iii) Compliance with safety regulations, etc (viii) Safety Evaluation	(v) Validation methods	(ii) Object Event Detection and Response (iv) Testing and Validation	(i) System Performance in the Automated Driving mode	(i) Safe system design and validation processes (iv) Compliance with relevant road traffic laws (ix) Verifying for the Australian road environment	(ii) Testing and Validation
Cyber security	GRVA	Conventional and Automated / Autonomous vehicles	(vi) Cyber Security	(vii) Vehicle Cyber Security	(vi) Cyber Security (vii) User Protection during Collisions or System Failures	(vi) Cyber security	(x) Cybersecurity	
(Over-the-Air) Software updates	GRVA	Conventional and Automated / Autonomous vehicles	(ix) Ensuring Safety in use process (vi) Cyber Security	(vii) Vehicle Cyber Security	(xi) System Updates and After-Market Repairs/Modifications	(vi) Cyber security	(viii) Installation of system upgrades	
Event Data Recorder (EDR)	GRSG	Conventional and Automated / Autonomous vehicles		Stated (x) Data recording		Stated (v) Installation of Event Data Recorders		
Data Storage System for Automated Driving vehicles (DSSAD)	First: GRVA Later: GRSG in coordination with GRVA	Automated / Autonomous vehicles	(v) Mounting of a data recording device	(x) Data recording	(xii) User Privacy	(v) Installation of Event Data Recorders		(iv) Data Recording
			(x) Provision of information to users of automated driving vehicles	(viii) Crash worthiness (ix) Post Crash Behavior (xi) Consumer Education and Training (xii) Federal, State, and Local Laws	(xiii) Collaboration with Government Agencies and Law Enforcement	(viii) Information Provision to Automated Vehicle Users	(xi) Education and training	