

Review Panel Overview

PAS 1885

Fundamental principles of automotive cyber security

Prepared by

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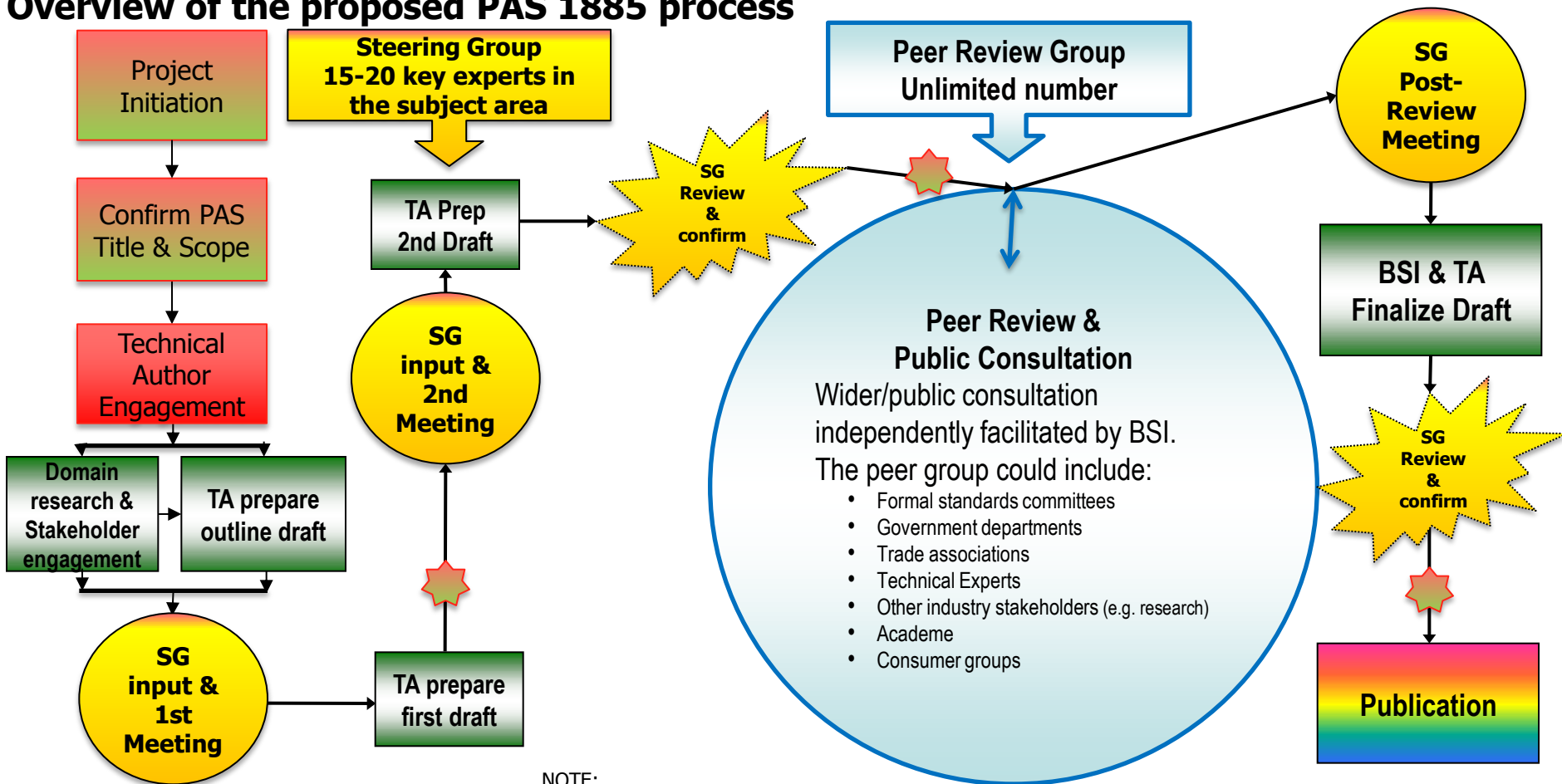
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By Royal Charter

Overview of the proposed PAS 1885 process



Project Objective

- to develop a Publicly Available Specification (PAS) setting out and specifying the use of, fundamental principles required to ensure that vehicle safety is not compromised by a lack of cyber security measures.

PAS Objectives

- To set out requirements for the provision and maintenance of cyber security in relation to automotive functional safety within the automotive safety lifecycle, encompassing both the vehicle and its eco-system:
- To address within the PAS the functional safety aspects of the entire automotive development and use life cycle, including: *specification; design; implementation; integration; verification; validation; configuration; production; operation; servicing and decommissioning*.
- To provide guidance on:
 - including security in an automotive-specific, risk-based approach for determining risk classes (Automotive Safety Integrity Levels [ASILs]);
 - how security would impact ASILs used in specifying the vehicle necessary safety requirements for achieving an acceptable residual risk.
- To reference relevant, existing standards to the extent determined by the Steering Group.

PAS primary identifier, Title and Scope

- **Primary identifier** - PAS 1885: 2018
- **Title** –The fundamental principles of automotive cyber security-Specification
- **Scope:**
 - This PAS sets out the fundamental principles for the provision and maintenance of cyber security in relation to automotive functional safety within the automotive safety lifecycle, encompassing both the vehicle and its eco-system.
 - This PAS is applicable to the functional safety aspects of the entire automotive development and use life cycle, including *specification, design, implementation, integration, verification, validation, configuration, production, operation, servicing and decommissioning*.
 - This PAS includes guidance on:
 - The inclusion of (cyber) security in an automotive-specific, risk-based approach for determining risk classes (Automotive Safety Integrity Levels [ASILs]);
 - how security would impact ASILs used in specifying the vehicle necessary safety requirements for achieving an acceptable residual risk.
 - This PAS is intended for use by manufacturers, Tier-1 and Tier-2 supply chain suppliers, authorized service centres and aftermarket suppliers but can also be informative for other participants in the automotive supply chain and the users of automotive vehicles.

Provisional Project Schedule - Phases 1 & 2

Stage	PHASE 1		Stage	PHASE 2	
1.1	PIM and TA briefing	21-08-2017	2.1	SG review First Draft (~6 weeks inc. Christmas period)	08-01-2018
1.2	Steering & Peer Review Groups (SG) & (PRG), constituted	29-09-2017	2.2	SG comments collated & circulated	12-01-2018
1.3	Due diligence research completed	29-09-2017	2.3	2nd Steering Group meeting – Agree amendments to first draft	16-01-2018
1.4	Outline Draft completed (TA)	29-09-2017	2.4	TA completes update of First Draft	16-02-2018
1.5	Outline Draft to SG (review 3 weeks)	02-10-2017	2.5	Updated First Draft edited and circulated to SG as second draft	26-02-2018
1.6	SG comments to draft received	23-10-2017	2.6	SG confirmation of second draft as review draft	09-03-2018
1.7	First Steering Group meeting - Base Document adopted by SG	03-11-2017	2.7	Review draft to Client for confirmation	15-03-2018
1.8	Base Document edited to First Draft	30-11-2017	2.8	Review draft confirmed for release	20-03-2018
1.9	First Draft to SG	04-12-2017	2.9/ 3.1	Review Draft uploaded to DRS	23-03-2018

Provisional Project Schedule - Phases 3 & 4

Stage	PHASE 3		Stage	PHASE 4	
2.9/ 3.1	2 nd Draft uploaded to DRS	23-03-2018	4.1	BSI editing of publication draft	25-06-2018
3.2	Peer Review of 2 nd Draft opens (~5 weeks, includes Easter)	26-03-2018	4.2	Publication draft to design process	26-06-2018
3.3	Peer Review of 2 nd Draft closes	27-04-2018	4.3	Design completed	11-07-2018
3.4	Review comments issued to SG	02-05-2018	4.4	Proof read designed PAS	18-07-2018
3.5	Third Steering Group Meeting	16-05-2018	4.5	Client approve designed PAS	23-07-2018
3.6	TA Completes third draft	28-05-2018	4.6	Publication of PAS w/c	31-07-2018
3.7	Steering Group confirm third draft	05-06-2018	4.7	PAS Launch activity?	
3.8	Third draft confirmed for publication	15-06-2018	4.8	Post publication promotion?	