

# P2900

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**Submitter Email:** [yymedia@gmail.com](mailto:yymedia@gmail.com)

**Type of Project:** New IEEE Standard

**PAR Request Date:** 05-May-2017

**PAR Approval Date:** 15-Jun-2017

**PAR Expiration Date:** 31-Dec-2021

**Status:** PAR for a New IEEE Standard

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**1.1 Project Number:** P2900

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Smart Home Security: Overview and Architecture

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**3.1 Working Group:** Smart Home Security (CES/SC/SHS)

**Contact Information for Working Group Chair**

**Name:** Yi Tan

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**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Consumer Electronics Society/Standards Committee (CES/SC)

**Contact Information for Sponsor Chair**

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**4.1 Type of Ballot:** Entity

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 12/2018

**4.3 Projected Completion Date for Submittal to RevCom**

**Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 08/2019**

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**5.1 Approximate number of entities expected to be actively involved in the development of this project:** 10

**5.2 Scope:** This standard defines an architectural framework for smart home security systems and services. This standard leverages existing applicable standards.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** This document will not include a purpose clause.

**5.5 Need for the Project:** Home security is among the fastest growing Smart Home verticals: progressing from the early adoption of sensor based home entry security features, to a comprehensive security solution including fire, water, health, air, natural disasters, emergency care responses and other proactive security features, orchestrated by a home artificial intelligence system that monitors, learns and improves its performance over time. Many companies have entered the market with selling isolated products. This project is needed to promote cross-domain interaction, aid system interoperability and functional compatibility, and help develop a cooperative ecosystem for smart home security.

**5.6 Stakeholders for the Standard:** Technology developers, device manufacturers, system integrators, service providers, end users and other parties that are relevant to smart home security

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**Intellectual Property**

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** No

**7.2 Joint Development**

**Is it the intent to develop this document jointly with another organization?:** No

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**8.1 Additional Explanatory Notes:**