

P521

Submitter Email: chrisjbaker1@gmail.com

Type of Project: Revision to IEEE Standard 521-2002

PAR Request Date: 26-Apr-2019

PAR Approval Date: 13-Jun-2019

PAR Expiration Date: 31-Dec-2023

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 521-2002

1.1 Project Number: P521

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Letter Designations for Radar-Frequency Bands

Changes in title: ~~IEEE~~ Standard Letter Designations for Radar-Frequency Bands

3.1 Working Group: Terminology Working Group (AES/RS/686_WG)

Contact Information for Working Group Chair

Name: Christopher Baker

Email Address: chrisjbaker1@gmail.com

Phone: 6148003929

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Aerospace and Electronic Systems Society/Radar Systems Panel (AES/RS)

Contact Information for Sponsor Chair

Name: Shannon Blunt

Email Address: sdblunt@ittc.ku.edu

Phone: 703-975-1921

Contact Information for Standards Representative

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 08/2019

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 01/2020

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

5.2 Scope: Radar systems operate in frequency bands that since World War II have been identified by letter designations. To recognize and preserve accepted usage, the proposed revision would re-affirm the letter designations for radar, revising the current standard to update it regarding current International Telecommunication Union (ITU) radar band allocations and comments. Radar operation at frequencies higher than 300 GHz is addressed.

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

5.4 Purpose: The purpose of the proposed project is to reaffirm the use of letter band designations for radar-frequency bands, and to update and correct the notes referring to the letter band designations in this standard. Because of recent changes in the ITU regulations, some of the notes need to be updated, and changed to correctly reflect the current frequency allocations. An extension to the current frequency range is anticipated reflecting radar development above 300GHz. No change in purpose from the current standard is anticipated.

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5.5 Need for the Project: To update and, as necessary, revise the standard in line with changes to ITU frequency allocations and to reflect the trends towards radar operation at frequencies higher than 300GHz.

5.6 Stakeholders for the Standard: Radar community

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

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

8.1 Additional Explanatory Notes: