

P521a

Submitter Email: chrisjbaker1@gmail.com

Type of Project: Amendment to IEEE Standard 521-2002

PAR Request Date: 01-May-2018

PAR Approval Date: 27-Sep-2018

PAR Expiration Date: 31-Dec-2022

Status: PAR for an Amendment to an existing IEEE Standard

Root Project: 521-2002

1.1 Project Number: P521a

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Letter Designations for Radar-Frequency Bands Amendment: Updating Letter Designations and Extensions of Frequency Range

3.1 Working Group: 521a working group (AES/RS/521a_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

Requested: 521 working group (AES/RS/521 WG)

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@eecs.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: 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.: 05/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 8

5.2.a. Scope of the complete standard: 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 amendment 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. Although we do not anticipate having to change the scope from the current standard, there are radars that operate at frequencies greater than 300 GHz, and the standard should reflect this.

Changes in 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~~ **amendment** 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. ~~No~~ **Although we do not anticipate having to change the scope from the current standard, there are radars that operate at frequencies greater than 300 GHz, and the standard should reflect this.**

5.2.b. Scope of the project: This project will review standard 521 and update in line with changes to ITU frequency allocations and will also extend the frequency range covered to beyond the current 300 GHz limit.

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

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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: