

P2404

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Type of Project: Modify Existing Approved PAR

PAR Request Date: 16-Jul-2015

PAR Approval Date: 03-Sep-2015

PAR Expiration Date: 31-Dec-2017

Status: Modification to a Previously Approved PAR

Root PAR: P2404 **Approved on:** 11-Dec-2013

1.1 Project Number: P2404

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Power Plant De-Nitrogen Oxide (DeNOx) Plate-Type Catalyst

Changes in title: Standard for Power Plant De-Nitrogen Oxide (DeNOx) Plate-typeType Catalyst

3.1 Working Group: Power Plant DeNOx Plate-type Catalyst (BOG/CAG/PPDPC)

Contact Information for Working Group Chair

Name: Tingyan Lu

Email Address: 419368809@qq.com

Phone: LvTingyan

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE-SA Board of Governors/Corporate Advisory Group (BOG/CAG)

Contact Information for Sponsor Chair

Name: Philip Wennblom

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Contact Information for Standards Representative

None

4.1 Type of Ballot: Entity

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2016

4.3 Projected Completion Date for Submittal to RevCom: 06/2016

5.1 Approximate number of entities expected to be actively involved in the development of this project: 3

5.2 Scope: This standard establishes criteria for testing methods and technical parameters for geometrical features, physical and chemical properties and DeNOx technological properties of power plant DeNOx plate-type catalyst.

Changes in scope: This standard specifies establishes the criteria production for procedure, testing quality methods test and technical parameters for geometrical features, engineering physical design and chemical properties and DeNOx technological properties of power plant DeNOx DeNOx plate-type catalyst.

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

5.4 Purpose: This standard is developed specifically for power plant DeNOx plate-type catalyst. The intent of this standard is to provide a unified catalyst size and test standard for Selective Catalytic Reduction (SCR) catalyst manufacturers, power plants and independent product test organizations. The standard will make it possible for exchange of Catalysts produced by different manufacturers, and it will also be a guarantee of catalyst quality.

5.5 Need for the Project: At present, the size and property of SCR catalyst produced by different manufacturers are different, the test contents and methods may also be different. Because of the lack of a unified standard, SCR catalyst users may meet problems when they are involved with design, purchase, contract signing, acceptance check and daily maintenance of the catalysts. In order to meet the need of international plate-type SCR catalyst development and application, it is urgent to develop a standard to guide the design, manufacture, and quality test.

5.6 Stakeholders for the Standard: Catalyst manufacturers, independent quality test organizations, power plants, SCR engineering companies and research institutes involved in DeNOx plate-type catalyst.

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 (Item Number and Explanation): The production procedure, quality test, engineering design of power plant DeNOx plate-type catalyst was included in the original scope. After several discussions about the standard scope, WGs members and some experts think that this standard should not include the content of production procedure and engineering design. Considering that different manufacturers have different production procedure, technological formula and engineering design, it is better to be kept by manufacturers itself. P2404 standard should focus on testing methods and technical parameters for geometrical features, physical and chemical properties and DeNOx technological properties of catalyst. This standard aims to establish a uniform technical parameters and tests criterion applicable to SCR system design, plate catalyst manufacturer, client and independent testing organization.