



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

**BUREAU OF INDIAN STANDARDS**

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## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : MSD 03/T-109

Date : 03 October 2024

TECHNICAL COMMITTEE : Statistical Methods for Quality , Data Analytics and Reliability, MSD 03

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Statistical Methods for Quality , Data Analytics and Reliability Sectional Committee, MSD 03. Please [click here](#) to view the document.

**Document Number : MSD 03 (26672) WC**

**Title of the document : Control charts Part 6: EWMA control charts for the process mean First Revision**

**Document Type : Revision of Indian Standard (IS 397 : Part 6 : 2018)**

*This document has following salient features which may require specific attention for your valuable comments:*

- 1) This document covers EWMA control charts, originally proposed by Roberts (1959)[16], as a statistical process control technique to detect small shifts in the process mean. It makes possible the faster detection of small to moderate shifts in the process mean. In this chart, the process mean is evaluated in terms of exponentially weighted moving average of all previous observations or averages.*
- 2) The EWMA control chart's application is worthwhile in particular when*
- 3) — production rate is slow,*
- 4) — a minor or moderate shift in the process mean is vital to be detected,*
- 5) — sampling and inspection procedure is complex and time consuming,*
- 6) — testing is expensive, and*
- 7) — it involves safety risks.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 02 November 2024**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at [msd@bis.gov.in](mailto:msd@bis.gov.in) to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**  
**(ANUJ SWARUP BHATNAGAR)**  
**Head (Management and Systems Department)**  
**Email: [msd@bis.gov.in](mailto:msd@bis.gov.in)**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : MSD 03/T-109

दिनांक : 03-10-2024

तकनीकी समिति : Statistical Methods for Quality , Data Analytics and Reliability Sectional Committee, MSD 03

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : MSD 03 (26672) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 02 November 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

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