

On behalf of



Federal Ministry
for Economic Affairs
and Energy



STANDARDIZATION
COUNCIL
INDUSTRIE 4.0

DKE
VDE DIN



Expert Workshop

Standards for Industry 4.0 in India and Germany: Exploring Opportunities for Harmonisation

Wednesday, 15 January 2020, 10:00 – 12:30
Hotel “The Claridges”, 12 Dr APJ Abdul Kalam Rd., New Delhi, 110011

Standardisation is crucial for the implementation of Industry 4.0, or smart manufacturing. The growing international connectedness of industries requires international coordination of standardisation efforts for Industry 4.0. Therefore, India and Germany decided to engage in bilateral political and technical dialogue to learn from each other and explore areas of harmonisation.

We are pleased to invite you to an **expert workshop** on the topic “**Standards for Industry 4.0 in India and Germany: Exploring Opportunities for Harmonisation**”. The workshop brings together experts from government, the Bureau of Indian Standards (BIS), the German standardisation bodies DIN and DKE, and industry representatives.

BIS has recently set up a new Sectional Committee LITD34 on Smart Manufacturing and works on various aspects of Industry 4.0 in committees of the Electronics and IT Department (LTID), Electrical Technology Department (ETD), and the Production and General Engineering Department (PGD). The workshop uses the opportunity for both sides to exchange on the **respective national and international priorities in standardisation for Industry 4.0**, and exchange on key concepts such as **Reference Architecture Models for Industry 4.0**. Moreover, the workshop serves to seeks to **explore areas and approaches for harmonisation of standards** between India and Germany.

The event is organised by GIZ – the German Agency for International Cooperation – in cooperation with BIS. It takes place within the context of a delegation visit from officials of the German Federal Ministry for Economic Affairs and Energy to India. The workshop is part of the activities of the Indo-German Working Group on Quality Infrastructure between the German Federal Ministry for Economic Affairs and Energy, and the Indian Ministry for Consumer Affairs, Food & Public Distribution. The Working Group has the goal to reduce technical barriers to trade and strengthen product safety. As part of the **Global Project Quality Infrastructure (GPQI)**, GIZ has been commissioned by the German Federal Ministry for Economic Affairs and Energy to support the Working Group in India.

We would be pleased to welcome you and are looking forward to an interesting discussion.

Please register by sending an email to qi-india@giz.de.

Implemented by

GLOBAL PROJECT
Quality Infrastructure

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

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10:00 – 10:30	<i>Registration</i>
10:30 – 10:45	Opening Remarks <i>Ms Gerhild Roth, Division "Technology Transfer, Standardization, Patent Policy", German Federal Ministry for Economic Affairs and Energy</i> <i>Dr R. K. Bajaj, Deputy Director General (Standardisation), Bureau of Indian Standards (BIS)</i>
10:45 – 11:10	Germany's Contribution to International Standards for Industry 4.0 <i>Ms Siglinde Kaiser, Project Coordinator, German Institute for Standardization (DIN)</i> <i>Mr Florian Spittler, Member of the Executive Board at the German Commission for Electrical, Electronic & Information Technologies of DIN and VDE, DKE</i> <ul style="list-style-type: none">• Brief introduction to German Roadmap Industrie 4.0 and Reference Architecture Model Industry 4.0 (RAMI4.0)• Presentation of standardisation proposals at IEC level (e.g. administration shell)• Formulations of expectations for the Indo-German cooperation
11:10 – 11:20	Standardisation Activities for Industry 4.0 <i>Mr Manikandan, Electronics and Information Technology Department (LITD), Bureau of Indian Standards (BIS)</i>
11:20 – 11:35	Industry-Driven Industry 4.0 in India <i>Indian industry expert, tbc.</i>
11:35 – 12:20	Discussion of Next Steps in the Indo-German Cooperation
12:20 – 12:30	Closing Remarks
12:30 – 13:15	<i>Lunch</i>

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