GIO Introduction and the Industrial New Infrastructure Advisory Committee Initiative

Huawei and Chinese Association of Automation (CAA)

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Shanghai

What is GIO?

- The GIO Roundtable (shortened to "GIO") is an environment for discussion and open exchange amongst global industry organizations involved in digital transformation and ICT.
- Vision: Collaborating for Digital Economy Growth, Building a Better Intelligent World.
- Mission: The GIO seeks to promote the digital transformation of multiple industries, including the ICT industry, by facilitating cooperation between relevant impacted global industry organizations. It seeks to provide multiple "enablers" that will smooth the way for increased global productivity and services through the deployment of scalable and interoperable digital technologies.
- Value proposition: The GIO is an environment where industry organizations can meet, share views, discuss challenges and consider means of cooperation on topics of common interest. It pursues its work in a complementary manner to that of the participating organizations by facilitating:
  - Cross industries collaboration: Identify breakpoints and challenges in business and technology and provide a forum for discussing (and potentially resolving) issues of common interest.
  - Cross technologies collaboration: Explore how information, communications, operations and production technologies can collaborate efficiently to jointly realize value creation.
  - Cross "industry direction-setting" collaboration: Explore synergies between major methods of industry development such as policy making, trade association, standards definition, and open source.

GIO operational model

- The GIO initiative was founded by Huawei in 2018 as the original GIO sponsor. The GIO is also open to additional sponsors who wish to offer resources and/or funding to enable the GIO operational support.
- The GIO is operated and administrated on a day to day basis by the GIO operation team, which consists of the experts provided by the participating industry organizations and the GIO sponsors.
- Working groups or chapters may be formed as needed in order to address specific topics of interest to the GIO.
- The GIO sponsors may also fund specific research from industry organizations, commercial research organizations and academic institutions.
- GIO will establish the appropriate mechanisms to dynamically release GIO news, publicized outputs, and cooperative project information.
- For more details, please visit www.gio.zone

Current GIO participants

GLOBAL INDUSTRY ORGANIZATIONS

3GPP A GLOBAL INITIATIVE

5GAA Automotive Association

5GACIA 5G Alliance for Connected Industries and Automation

5G MAG MEDIA ACTION GROUP

5G SLICING ASSOCIATION

工业互联网产业联盟 Alliance of Industrial Internet

中国人工智能产业发展联盟 Artificial Intelligence Industry Alliance

中国通信标准化协会 China Communications Standards Association

中国信息化百人会 CHINA INFO 100

边缘计算 Edge Computing CONSORTIUM

ERTICO ITS EUROPE

ETSI

GSMA

industrial internet CONSORTIUM

ITS International Telecommunications Society

ISO JTC1 IEC INFORMATION TECHNOLOGY STANDARDS

THE LINUX FOUNDATION

OPEN ROADS Powered by Huawei

2020 NETWORLD

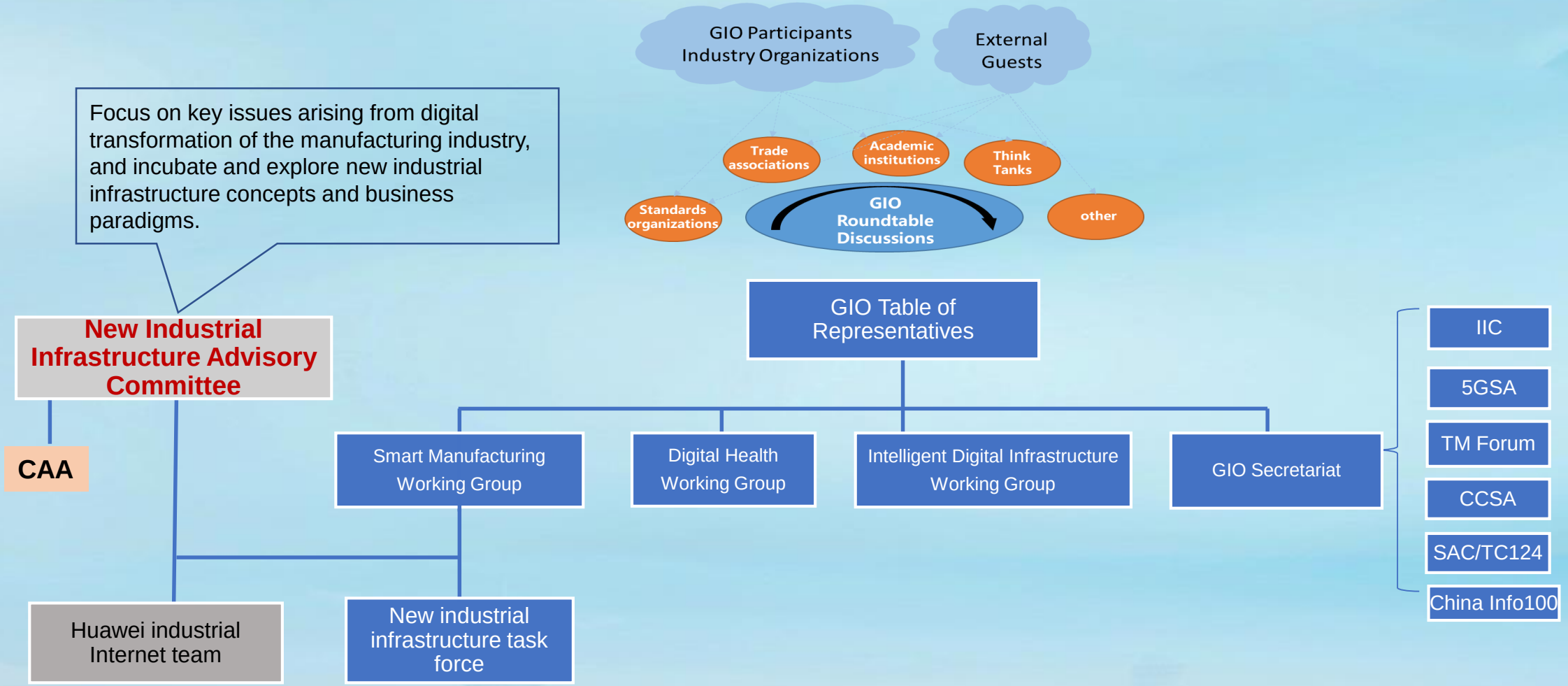
tmforum

THE Open GROUP

SAC TC 124

UNIVERSITY OF SURREY

Continuous evolution of the GIO



Overall planning of the New Industrial Infrastructure Advisory Committee

I. Name

New Industrial Infrastructure Advisory Committee

II. Objectives

1. Build a bridge for industry dialogues between the demand side (OT industry) and the supply side (ICT industry) to promote industry upgrade, and provide constructive advice on how to boost industry productivity with new industrial infrastructure.

2. Based on industrial requirements, offer research and consulting services on important issues raised by participating members. Effectively resolve pain points in the digital transformation of industry, and guide the construction and operation of new industrial infrastructure by focusing on specific scenarios.

3. Driven by technological innovations, explore new architecture that deeply integrates common basic technologies and the latest ICT technologies in the manufacturing industry, and provide prospective guidance for the evolution of industrial architecture.

III. Operation

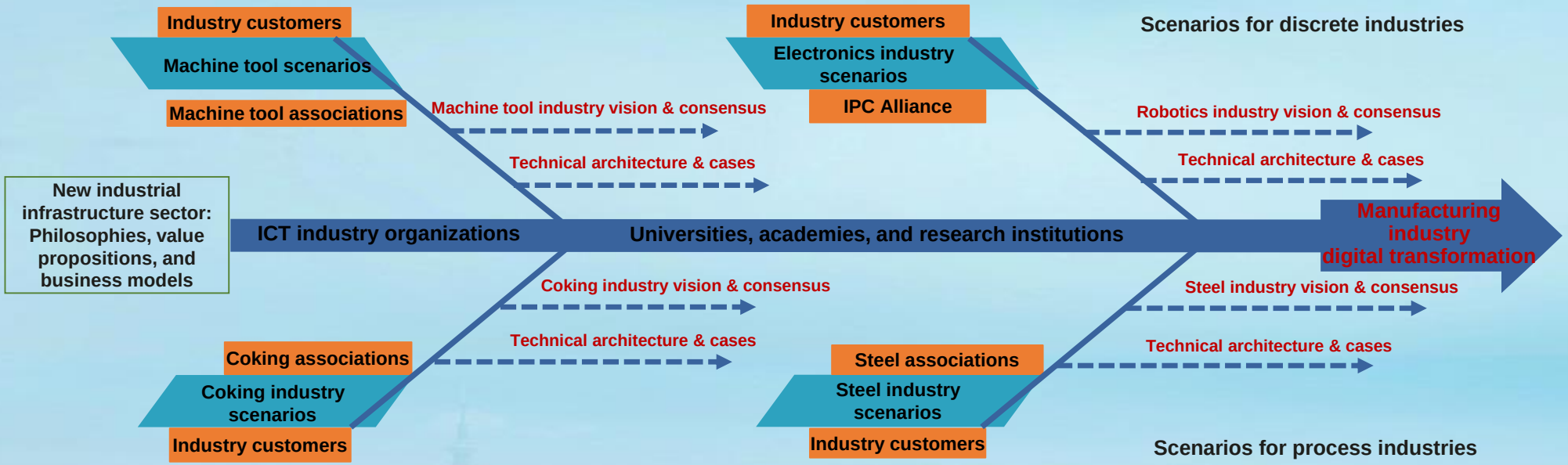
1. Regularly convene small closed-door meetings to focus on issues arising from mid- and long-term industrial digital transformation, and sector-specific topics. Important topics shall be discussed as required, without a definite schedule.

2. The advisory committee was initiated and is sponsored by Huawei, and is operated by the CAA. The advisory committee consists of experts who are invited to join the advisory committee and form core expert teams, as well as other participating members. The committee is open to industry organizations and users related to the digital transformation of industry.

3. A consensus shall be reached through discussion. The topics of discussion shall include industry concepts, business paradigms, case studies, and value propositions related to new industrial infrastructure.

Recommendations for the work direction of the New Industrial Infrastructure Advisory Committee

Focus on specific industry scenarios, integrate technologies and use cases to explore and roll out new industrial infrastructure and boost industry productivity.



Next-step suggestions

- Research and draft a whitepaper on new industrial infrastructure based on the industrial concept, definition, and value propositions.
  - Basic message
  - Business architecture
  - Technical architecture
  - Construction approach
  - Industry development roadmap
- Recruit volunteers to be core contributors and establish a basic philosophical framework and consensus on new industrial infrastructure.
- Seek comments from all committee members, officially publish the whitepaper, and iterate based on different scenarios of specific industries.

Thank you