



GO15

Activity Report 2024

GO15

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1. GO15 goals & strategy

- Fostering communication and collaboration between members
- Sharing best practices and benchmarking
- Delivering strategic messages to key stakeholders
- Allowing for in-depth exchanges on technical shared topics
- Promoting lobbying towards policy makers and regulatory bodies
- Reinforcing GO15 brand awareness

2. Governance

**Steering board:
high-level exchanges and strategic
decisions**

CEO-LEVEL REPRESENTATIVES

**Governing board:
technical work and strategic
recommendations**

HIGH-LEVEL REPRESENTATIVES

**Officers:
GO15 operational management**

2024 GO15 PRESIDENT (elected for one year)



S.R. Narasimhan,
Grid India

2024 GO15 VICE-PRESIDENTS
(former and future Presidents)



John Bear,
Midcontinent ISO



Jung Dong Hee,
KPX

SECRETARY GENERAL



Bruno Meyer

3. GO15 20th Anniversary

The year 2024 was marked by the celebration of our association's 20th anniversary.

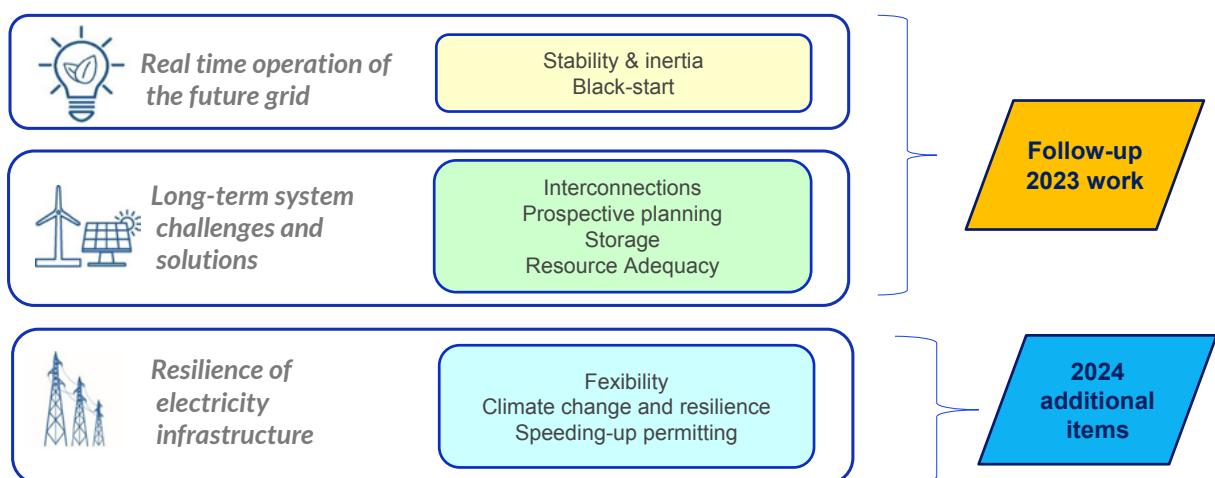
▷ [Dedicated video on GO15 20th anniversary](#)



4. Technical activity

4.1 THE STRATEGIC WORKING GROUPS

The technical activity carried out in 2024 was split in the following three groups:



— Block “Real time operation of the future grid”

Stability & inertia

These topics were led by Terna (Giorgio Giannuzzi and Cosimo Pisani). The working group has built a comprehensive 50-page document. In addition to Terna, the report was produced with contributions from several GO15 members (Grid India, Eskom, SO-UPS, CAISO, GCCIA and ONS). The report is achieved by a list of recommendations split in three groups: policy and planning level, regulatory level, and technical level. The content of the document will be disseminated in March 2025 via a webinar. In addition, a press release for external communication was sent to the media with impact. The press release was sent to around 90 journalists worldwide.

[Press release on that topic:](#)

GO15 releases its position paper on stability and inertia of power systems.

Black-start

This topic was led by Tepco (Yoshikazu Nakamura). The position paper for internal was presented during the first Governing Board meeting in February and published on the website.

— Block “Long-term system challenges and solutions”

Interconnection

The report has been achieved by the end of 2023. The activity of 2024 was focused on the way to present the results on the website.

Prospective planning

This topic, led by SO-UPS (Denis Pilenieks) was achieved after the annual 2023 meeting. Only four responses were provided (SO-UPS, MISO, KPX, Terna). Due to lack of responses, only a digest was prepared. The survey contains 5 parts: general information including planning procedures, evaluation of electricity & capacity deficit for balancing, resource adequacy, evaluation of transmission and generation needs, and decision on power system development scenario.

Storage

This topic was led by RTE (Claire Lajoie-Mazenc). A paper prepared by the working group was submitted and accepted by CIGRE for the 2024 session. This paper includes the results of the 2022 GO15 survey as well as a section on the analysis of the differences observed. As the person responsible for this task, Claire, presented the GO15 paper at the CIGRE poster session in Paris. A new survey was set up in 2024. The various challenges to be met were identified: connection to the network, the operational part, the market, long-term storage, etc. The aim is to finalize a first draft report by February 2025, and to organize a face-to-face meeting in Q1 2025 to share experience and feedback through a workshop. The final results could be a series of recommendations for the use of different technologies depending on the flexibility required.

Resource Adequacy metrics

This topic was led by Grid-India (KVN Pawan Kumar). A general survey on resource adequacy was conducted previously. Under the leadership of Grid India, this year's concrete achievement was the submission of ToR to CIGRE organization for the establishment of a new Working Group. We are still awaiting a response from CIGRE.

— Block “resilience of electricity infrastructure”

Climate change and resilience

This topic was led by Terna (Silverio Casulli). A questionnaire sent to GO15 members has resulted in 7 responses. The final results and a draft report will be prepared for the first Governing Board meeting of 2025.

Speeding-up permitting

This topic was led by Terna (Giuseppe Bonavita). A questionnaire sent to GO15 members has resulted in 5 responses. The final results and a draft report will be prepared for the first Governing Board meeting of 2025.

Flexibility

Interest in this subject was confirmed by GO15 members, but unfortunately no Leader was found to lead this activity within GO15 members. In the meantime, a new CIGRE WG (C1.54) focusing on flexibility has been created. At the last Governing Board meeting, GO15 members supported the participation in the CIGRE WG, as well as the establishment of a C1.54 mirror group in 2025.

4.2 THE SURVEYS

Over the course of 2024, 6 surveys were carried out. The topics and initiators of the surveys were as follows:

- Power system protection (KPX).
- Regulatory frameworks (SO-UPS).
- Renewable Energy forecasting (Grid India).
- CIM model (SO-UPS).
- RES forecasts (KPx).
- Grid code for wind and solar power generation (ONS).

N.B. A survey can be launched on the initiative of any member. It was agreed that the requesting member fills in the survey first, so all members have a global idea of what is expected. The survey is sent to all members, but it is not compulsory to respond. At any rate, the conclusions of all surveys are shared with all members, not only the ones who answered.

One suggestion is that the presentation of each survey be in the form of GO15 Webinar.

4.3 THE WEBINARS

Over the course of 2024, 17 webinars were organized, from February to November. On average, 40 to 50 people attended each webinar with around 12 different member companies attending online. The full list of webinars is available below. All recordings are available on GO15 website:

▷ [Webinars - GO15](#)

- Challenges and perspectives in India, Grid India, February 23;
- Power Resource Adequacy report, RTE February 29;
- Management of network assets, RTE, March 4;
- Connecting the world to drive renewable energy efficiency, CIGRE, March 19;
- European electricity balancing platforms experience, RTE, April 7;
- Metropolitan area and large city power systems development and energy transition – CIGRE study, SO-UPS, April 24;
- European Development Plan and Interconnection targets, RTE, June 11;
- Virtual Power Plants (VPPs) to make the power grid more reliable, affordable, and sustainable, Beehop, July 1;
- Resource Adequacy Development History, current practices and future proposals, CAISO, July 10;
- The role of Med-TSO in setting up a Euro-Mediterranean Electricity Market, Med-TSO, September 12;
- Use of robotic solutions for the automatic inspection of RTE's network, RTE, September 20;
- GCC Interconnection grid, GCCIA, October 27;
- Tepco corporate update, Tepco, October 28;
- Operational plan of light load condition, October 29;
- The launch of NTCSA, October 29;
- 15 August 2023 event, ONS, November 5;
- Grid Forming (GFM) Technology Adoption in ERCOT, November 19;
- Total solar eclipse impact April 8th 2024, MISO, November 27.5. Steering and Governing Board meetings

5. Steering and Governing Board meetings

5.1 STEERING BOARD MEETINGS

During 2024, two physical Steering Board meetings were held, one in New Delhi on February 23nd, the second one in Dammam on October 29th combined with the annual meeting.

At the annual meeting, Steering Board members have elected 2025 GO15 officers: President: Mr Jung Dong Hee, KPX CEO / Incoming Vice-President: Mr Manu Asthana, PJM CEO & President / Vice-President: Mr S.R. Narasimhan, Grid-India Chairman & Managing Director / Secretary General and Treasurer: Mr Bruno Meyer.



Participants to the Steering Board meetings in New Delhi (left) and in Dammam (right).

5.2 GOVERNING BOARD MEETINGS

During 2024, three Governing Board meetings were held, one physically in New Delhi on February 22nd, two remotely on June 27th and October 3rd.



Participants to the Governing Board meeting in New Delhi.

6. New Delhi Forum

GO15 members have met in New Delhi on February 22-24 at the invitation of GO15 2024 President and Grid-India Chairman & Managing Director S.R. Narasimhan. This event included Governing Board and Steering Board meetings, as well as celebratory moments to mark the 20th anniversary of GO15 inception in 2004. A high-level panel discussion on «The triple bottom line for sustainable grids: Adequacy, Reliability & Affordability» was organized with Indian Senior Government Officials & Regulators.

Attendees also had the opportunity to discuss major challenges facing power grid operators and to discover the wonderful history and rich culture of India's capital region.



Panel discussion on «The triple bottom line for sustainable grids: Adequacy, Reliability & Affordability»

Several technical visits and discussions have been organized by Grid-India. They included the visit of the dispatching center and the visit of Agra UHV substation.



Visit of the national dispatching center (left) and Agra UHV substation (right).

The GO15 meetings organized by Grid India provided an opportunity to visit remarkable sites such as the historic RedFort Square and the fantastic Taj Mahal.



RedFort place (left) and Taj Mahal (right).

The celebration of GO15's 20th anniversary was an opportunity to thank S.R. Narasimhan (Grid India), 2024 President of GO15, John Bear (MISO) the former President (2010 & 2023), Fedor Opadchiy (SO-UPS) past President (2019), Soonee Sushil Kumar founder of Grid India, Nobuyuki Ryu (TEPCO) involved in GO15 since almost the beginning and Bruno Meyer the current Secretary General.



NewsDesk: GO15 meets in New Delhi at the invitation of Grid-India:

 www.go15.org/2024/03/01/go15-meets-in-new-delhi-at-the-invitation-of-grid-india/

7. Dammam Forum

Besides the GO15 Steering Board and annual meeting held in Dammam, Saudi Arabia, an international Forum was organized by GCCIA, in collaboration with EPRI, GO15, and Med-TSO on the topic «Powering the Future Toward Net Zero».

The forum offered a significant platform between energy leaders from across the world for advancing discussions on the future of the energy sector. With a focus on technology, market development, regional interconnections, storage solutions, and resource adequacy for achieving a net-zero grid, the forum was poised to foster collaboration and dialogue among global energy leaders.

Seven panel sessions were organized over the two days of the forum.



Panel session "Regional Grid Optimization" with GO15 representatives.

NewsDesk: GO15 Steering Board and annual meeting meeting held in Dammam:

www.go15.org/2024/10/31/go15-steering-board-and-annual-meeting-meeting-held-in-dammam/

8. Participation in members' or global events

- GO15's Bruno Meyer gives keynote for CSG International Business 20th anniversary:

 www.go15.org/2024/12/11/go15s-bruno-meyer-gives-keynote-for-csg-international-business-20th-anniversary/

- Participation of GO15's Bruno Meyer at ISGF in New Delhi:

 www.linkedin.com/posts/bruno-meyer-45805947_sustainablegrids-powergrids-energytransition-activity-7166839975504781312-tMRg?utm_source=share&utm_medium=member_desktop

- S.R. Narasimhan's keynote at CIGRE summit opening panel



- Bruno Meyer, GO15's spokesperson at the 26th World Energy Congress in Rotterdam:

 <https://www.go15.org/2024/04/23/bruno-meyer-go15s-spokesperson-at-the-26th-world-energy-congress-in-rotterdam/>



- Grid India and TEPCO have taken part in KPX's SICEM summit in Seoul:

 <https://www.go15.org/2024/12/16/grid-india-and-tepcos-have-taken-part-in-kpxs-sicem-summit-in-seoul/>

9. Communication

9.1 NEWSDESK

— 66 NewsDesks over the year :

- 66 News Desks in 2024
- An average opening rate of 28% (+3 pts)

— Our top #3 NewsDesks this year:

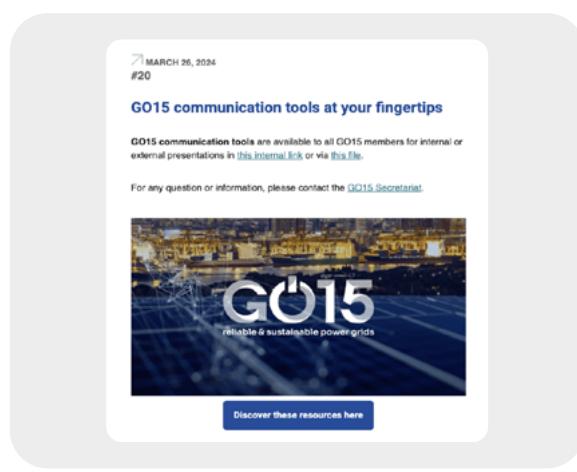
- Terna presents its 2024-2028 Industrial Plan:

 www.go15.org/2024/03/28/terna-presents-its-2024-2028-industrial-plan/



- GO15 communication tools at your fingertips
- Official launch of the National Transmission Company South Africa (NTCSA):

 www.go15.org/2024/10/16/official-launch-of-the-national-transmission-company-south-africa-ntcsa/



9.2 LINKEDIN

- **153** posts (+59 compared to 2023)
- **2891** followers
- **801** new followers from January to December 2024
- **59K** impressions
- An average engagement rate of **7.7%**

— Our top #3 posts this year:

GO 15. Reliable and Sustainable Power Grids
GO15 2,904 followers
4mo - ①

#GO15, the association of Very Large Power Grids Operators, provides the position of its members on the main challenges and the most promising solutions for enhancing the stability of #powergrids in a world that is increasingly reliant on renewable energy sources and decentralized power generation. ②

This position paper emphasizes the need for new solutions and strategies to address the stability issues caused by the rise of wind and solar generators:

- Enhanced Grid Operation Tools to monitor and control the grid more effectively
- Real-time estimation of inertia to maintain stability
- Clear obligations for solar and wind generators to provide frequency response services
- Long-term planning processes

System Operators play a critical role in enabling the transition to a sustainable, low-carbon energy future, which requires proactive strategies, stakeholder collaboration and continuous innovation.

Read more on our position here <https://lnkd.in/gGzsjPwu>

GO15 releases its position paper on stability and inertia • 2 pages

GO15
PRESS RELEASE
September 19, 2024

The increasing use of renewable energy requires a fundamental shift on how we operate and manage our power grids
[GO15 releases its position paper on stability and inertia of power systems](#)

GO 15. Reliable and Sustainable Power Grids
GO15 2,904 followers
4mo - ①

We are very happy to gather tonight in Paris with **GO 15. Reliable and Sustainable Power Grids** members and industry leaders, 20 years after our first meeting in India. A joyful occasion to see each other in person again, and to celebrate GO15 anniversary!

Thanks to all participants and **Narasimhan S.R.**, **GO 15. Reliable and Sustainable Power Grids** 2024 President, for his thoughtful speech on the challenges we all face. ②

Let us meet again in Dammam, Saudi Arabia, in a few weeks for our annual meeting!
Grid Controller of India Limited GCC Interconnection Authority (GCCIA)
Réseau de Transport d'Électricité

Enrico Maria Carlini Vincent Thouvenin John Bear Xavier Piechaczek
Narasimhan S.R. Ahmed Ali Al-Ebrahim Shukai XU Claire Lajoie-Mazenc
Angelo Ferrante Veronika Milewski



45 8 reposts

GO 15. Reliable and Sustainable Power Grids
GO15 2,904 followers
2mo - ①

GO 15. Reliable and Sustainable Power Grids members gathered in Dammam for our 2024 Annual Meeting, following the successful "Powering the Future Toward Net Zero" forum organized with **GCC Interconnection Authority (GCCIA)**, **EPRI** and **Med-TSO**.

The steering board elected GO15 officers for 2025:

- Chairman: Mr Jung Dong Hee, CEO of KPX
- Incoming Vice-Chairman: Mr Manu Asthana, CEO and President of PJM Interconnection
- Vice-Chairman: Mr Narasimhan S.R., Grid Controller of India Limited Chairman and Managing Director
- Secretary General and Treasurer: Mr Bruno Meyer

This was also an opportunity to discuss our 2025 technical program and to exchange views on strategic presentations delivered by **Dr. Nasser Al-Shahrani** **GCC Interconnection Authority (GCCIA)**, **Segomoco Scheppers** **INTCSA** **Eskom Holdings SOC Ltd**, **Ryu Nobuyuki** **#Tepco** and **Taeyong Song** **KPX**.

Congratulations to the new officers for their election and thanks to all members for attending this annual meeting!

More information on our activities & events on our website: <https://www.go15.org/>



You and 70 others 3 comments - 6 reposts

9.3 COMMUNICATIONS TOOLS

— GO15 introduction tools:

▪ GO15 overview

2024 Goals & Objectives

GO15

Collaboration and technical exchanges on key topics related to the energy transition
Sharing experience and vision to improve the design and operation of power systems
Enhancing international dialogue with policy makers and regulatory bodies

Decarbonization lead to challenges for the electricity system.
Cooperation amongst electricity leaders will speed up the Energy transition.

GO15 Overview

2024 Officers

GO15

S. R. Narayanan, Grid-India Chairman & Managing Director
2024 GO15 President

Jung Dong Hee, KPX Chairman & CEO
2024 GO15 Vice-President

John Bear, MISO President & CEO
2024 GO15 Vice-President

Bruno Meyer
GO15 Secretary General & Treasurer

GO15 Overview

▪ GO15 slideshow





▪ GO15 practical guide: [link](#)

GO15 organization

GO15

- Steering board: high-level exchanges and strategic decisions
 - CEO-level representatives
 - Two meetings a year including at least one in person
- Governing board: technical work and strategic recommendations
 - High-level representatives
 - 3 meetings a year including at least two in person
- Officers: GO15 operational management
 - GO15 President (elected for one year)
 - GO15 Vice-Presidents (former and future Presidents)
 - Secretary General

GO15 Overview

Technical work

GO15

- Organization of webinars all year-round
 - 2023-2024: metropolitan areas & large city power development, system reliability attributes, public data-sharing...
- Working groups and position papers
 - 2023-2024: long-term planning, stability & interties...
- Information-sharing on major technical and regulatory topics
 - 2023-2024: new interconnections, GO15 members corporate and technical news

Webinars

- Why and How GO15 is working on energy transition issues: Electricity Markets, Planning & Investment
- GO15's role in the development of electric system needs and future scenarios, GAOI 2023/2024
- Virtual Power Plants (VPPs) to make the power grid more reliable, affordable and sustainable - meeting - Oct 12, 2023
- European Resilience Plan and Interconnection Targets, ETR - June 5, 2023
- Metropolitan area and large city power system development and energy transition - GO15 study - SD-IPS - April 24, 2024

GO15 Overview

9.4 GO15 WEBSITE

- Our [GO15 website](#):
- More than **6.3K** (+1.5K over last year) visitors;
- More than **17,6K** views (+5.1K over last year) on the website

9.5 OTHER COMMUNICATIONS ACTIONS

- Season's Greetings video:

▷ www.youtube.com/watch?v=HJ0CeWcW3cY



- New leadership video:

▷ www.youtube.com/watch?v=wfjLJmL-VHM

- Press relations:
- Development of a comprehensive press list: close to 100 media contacts
- GO15 releases its position paper on stability and inertia of power systems:
↗ www.go15.org/2024/09/19/go15-releases-its-position-paper-on-stability-and-inertia-of-power-systems/
- GO15 elects Jung Dong Hee, CEO of KPX, as 2025 President and signs a MoU with EPRI:
↗ www.members.go15.org/~k7LMZ

10. International Cooperation

10.1 CIGRE

GO15 was present at the international congress CIGRE 2024 in Paris through the paper written by the GO15 experts. The paper "how storage is implemented in the network of the major global operators" was presented by Claire Lajoie-Mazenc (RTE) at the CIGRE poster session in Paris, at the end of August.



Photo at GO15 Paris cocktail

GO15 paper published by CIGRE.

Besides CIGRE event, RTE hosted a GO15 cocktail. Around 40 GO15 members and industry leaders from all around the world have met in the Salons de l'Aéroclub in Paris on Monday 26th August, an occasion to discuss major topics for power grids and to celebrate GO15 20th anniversary. Thanks to all participants for their presence and to S.R. Narasimhan, GO15 2024 President and Chairman and Managing Director of Grid-India, for highlighting the value of GO15 association in meeting the challenges of the energy transition.

NewsDesk: Power grids leaders gathered in Paris to celebrate GO15 20th anniversary:

 www.go15.org/2024/08/27/2047/

10.2 EPRI

In Dammam, GO15 VP Jung Dong Hee (KPX) and EPRI CEO and President Arshad Mansoor signed a Memorandum of Understanding.



Signature of the MoU GO15-EPRI

Press release: GO15 elects Jung Dong Hee, CEO of KPX, as 2025 President and signs a MoU with EPRI:

 www.members.go15.org/~k7LMZ

GO15

www.go15.org