



# OPERATIONAL TECHNOLOGY CYBERSECURITY EXPERT PANEL FORUM 2023

22 - 23 AUGUST 2023

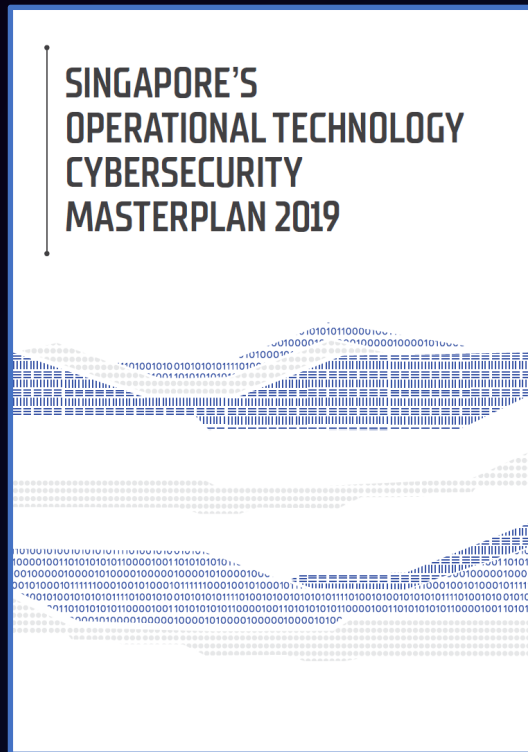
OT-ISAC: Building a resilient ecosystem  
through threat information sharing

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OT-ISAC, GRF Asia-Pacific

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## OT-ISAC: Operational Technology Information Sharing Analysis Centre

Launched in October 2019 as part of Singapore OT Cybersecurity Masterplan



Key thrusts in the OT Cybersecurity Masterplan include:

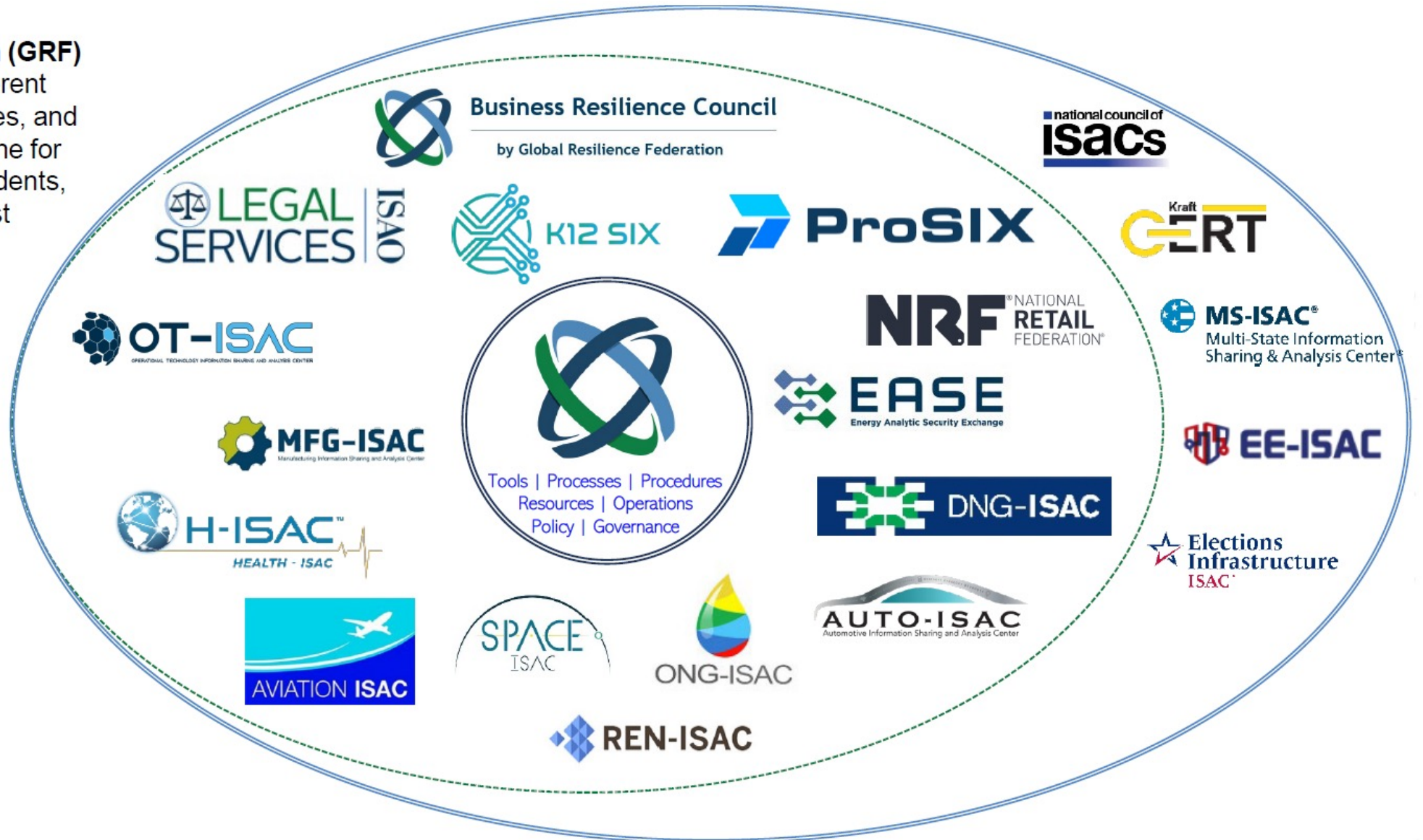
1. Providing OT cybersecurity training to develop human capabilities
2. Facilitating the sharing of information through an OT Cybersecurity Information Sharing and Analysis Centre (OT-ISAC)
3. Strengthening OT owners' policies and processes through the issuance of an OT Cybersecurity Code of Practice (CCoP)
4. Adopting technologies for cyber resilience through Public-Private Partnerships



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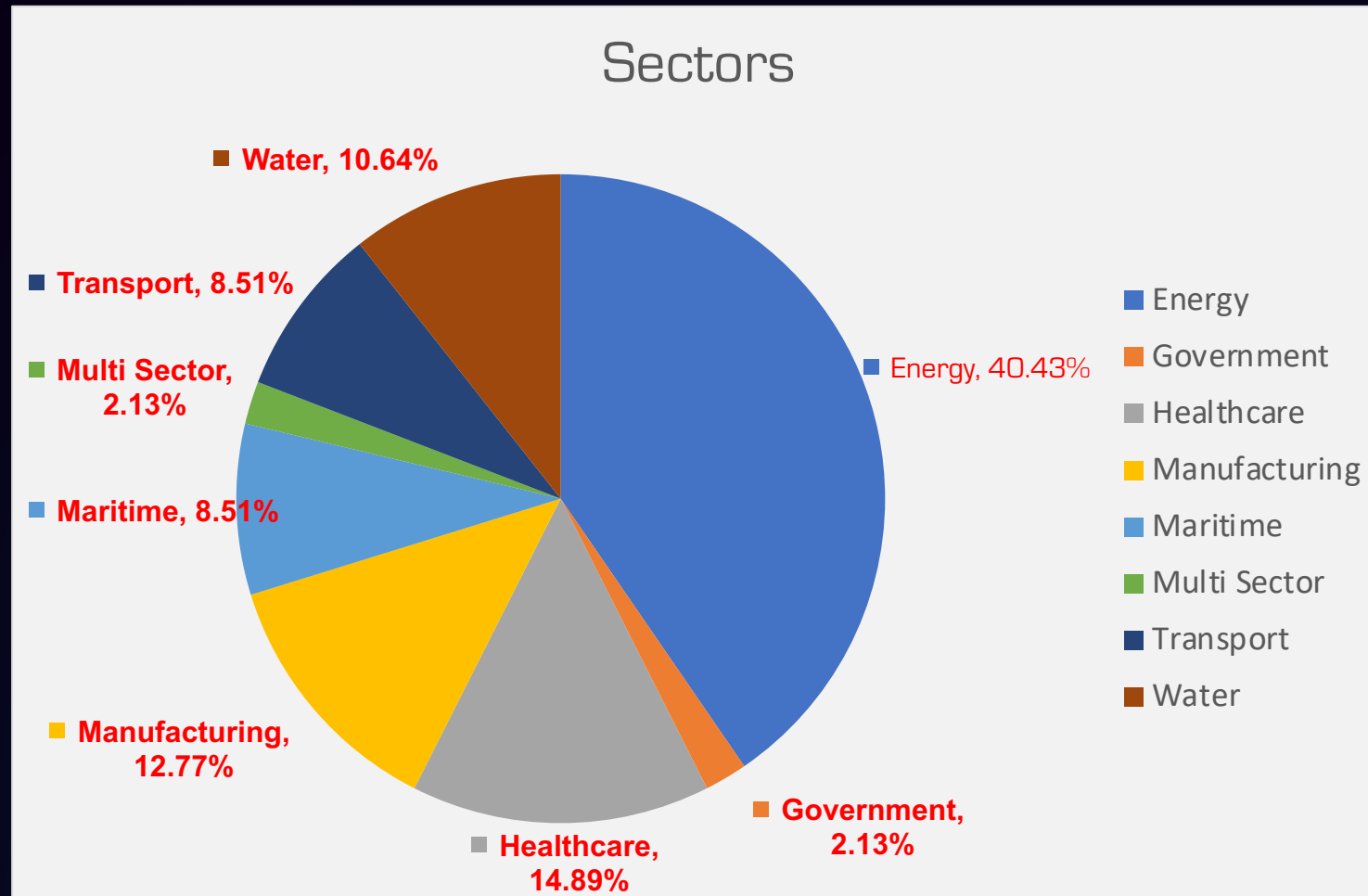
**Global Resilience Federation (GRF)** manages and supports 17 different information sharing communities, and establishes a common backbone for sharing threat intelligence, incidents, vulnerabilities, policies and best practices.

GRF enables cross-sector sharing, enhances situational awareness, and provides tools for collaboration amongst the GRF managed and supported communities.



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## OT-ISAC Membership Community and Program(s)



- Top 3 sectors are Energy, Healthcare and Manufacturing
- Working with community led programs such as New Energy Transition in Q3 2023
- Information sharing agreements with public and private sector organisations

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## Member Services

### Strategic and Tactical Threat Intelligence Sharing

- Situational Awareness Portal (Strategic)
- MISP (Tactical)

### Events

- Monthly threat calls
- Workshops
- Seminars
- Round Table Discussions
- Table-top(s)
- Annual Summit

### Additional Member Services

- Training
- Threat Modelling
- Incident Response Exercise(s)
- Request for Information (RFIs)
- Sector Reports
- Ransomware Report
- Partner services (forensics, threat hunting, risk maturity scoring etc)

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## Threat Intelligence Program- Types of Intelligence

### Strategic Intelligence:

Aligning security and business objectives

### Tactical Intelligence:

Tactics, Techniques and Procedures (TTPs) both internal and external sources

### Operational Intelligence:

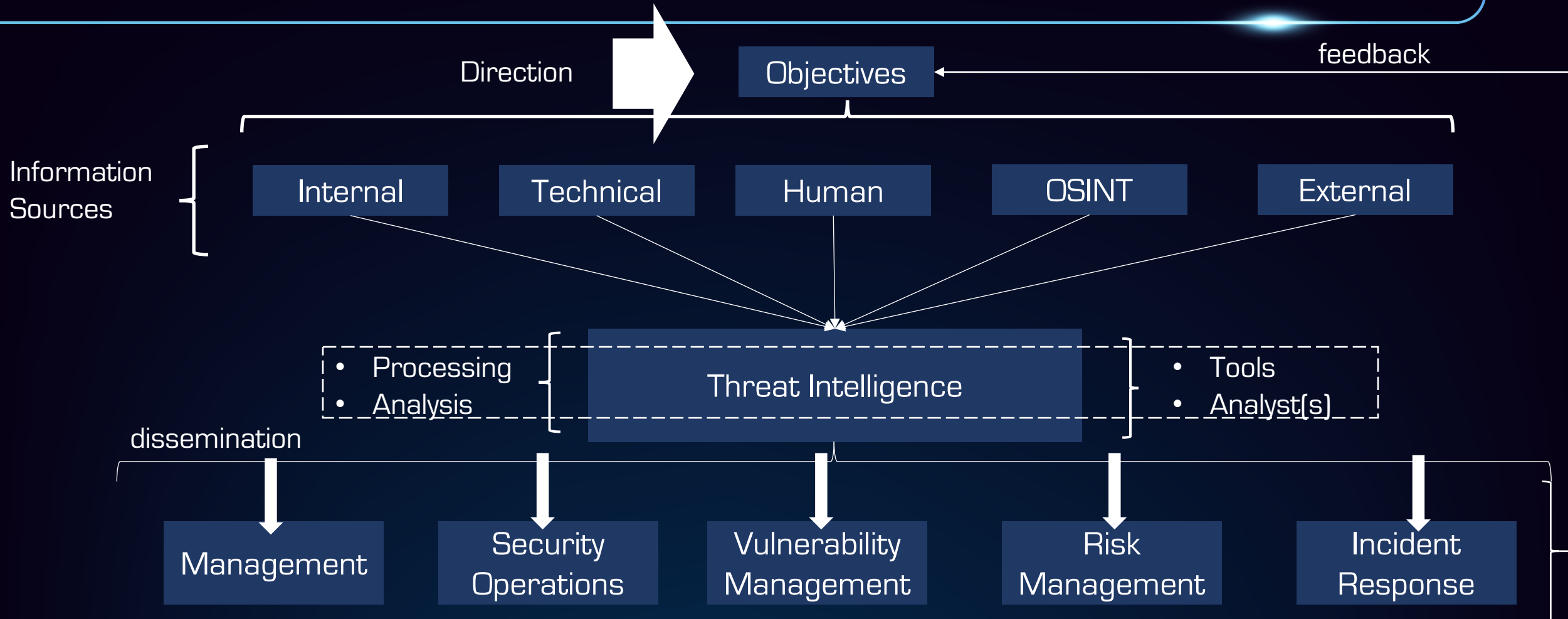
Actionable information about potential attacks

### Technical Intelligence:

Technical Indicators of Compromise (IOCs)

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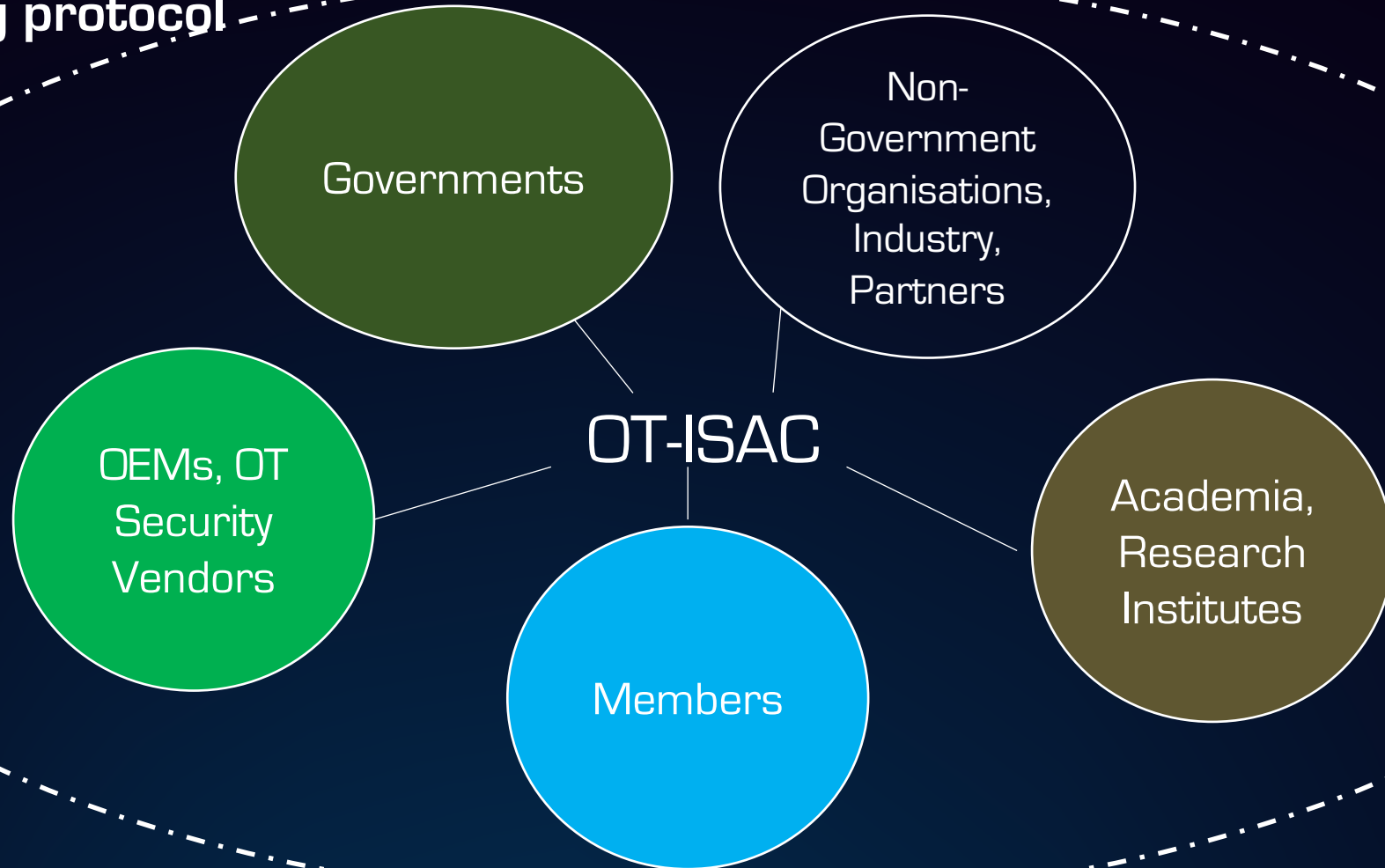
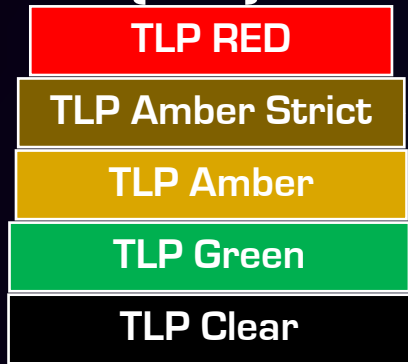
## Context is Important in Threat Intelligence



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Collaboration is Key

## TLP (2.0) sharing protocol







THANK YOU