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How to Operationalise and Maintain Cyber Network Situational Awareness?

In a network management or operations task, how can network situational awareness (derived from a snapshot of network state) be maintained, enhanced, and leveraged to provide rapid decision support toward the operator's intent?

With an emphasis on network situational awareness with missing or uncertain information, work is solicited in one or more of the following themes:

- Modelling, analysis, and verification of network information and operations.
- Context-sensitive information acquisition, from network measurement or network device and traffic characterisation.
- Entity resolution and fusion.
- Context-sensitive presentation at multiple layers of abstraction.
- Robustness of the above to rapidly evolving configurations and technologies.