

## Annexure B:

### Monitoring tools and network management systems SENTECH uses

These are the existing tools and systems used to monitor and manage current networks and network elements that the OSS platform must integrate with or abstract data from. Sentech recommends system compliance with TMF's Open Digital Architecture (ODA) and Open API standards to ensure interoperability and simplify and reduce integration costs. Sentech adopted communication protocols in all existing network monitoring and management systems are SNMP and REST API.

Ansible AWX	Open-source automation platform
CACTI	Open-source, web-based network monitoring tool
Cisco applications	Firewall Management Centre, DCNM, ISE, NetFlow, Meraki Cloud
Gestio IP	IP address management
Graylog	Central logging
VideoBridge Controller (VBC)	VideoBridge system monitoring server for digital video broadcast
NetBrain	Network automation
NetPod EVO	Network management system
Prolin	Ticket, incident and change logging tool
WINManage	Radwin element manager application
Mimosa MMP	Mimosa element manager application
Passolink	NEC microwave monitoring tool
Nimbra Vision	Network management tool for Nimbra network
YahSat portal	Customer portal for Ka-band VSAT platform
Eutelsat portal	Customer portal for Ka-band VSAT platform
SAP	Enterprise resource planning (ERP) system (Northbound integration)