



Virtualized SkyEdge IV

Marcelo Araujo

Account Manager - Brazil

November 2025

Agenda

1. **Gilat in a Glance**
2. **SkyEdge IV Overview**
3. **Virtualized SkyEdge IV**
4. **Summary**



Introduction



Gilat Proprietary and Confidential

Our Vision

We believe in the right of all people to be connected

Our Mission

To create and deliver deep technology solutions for satellite, ground and new space connectivity.

With proven expertise, a can-do attitude and a winning global team, we aspire to be the natural partner, bringing real value in the satcom market.

We are united in our resolution to provide communication solutions to all reaches of the world.



A world leader in satellite communications



CBH

Cellular Backhaul



2G 3G 4G 5G

MOBILITY

Aero / IFC
Maritime
Land



BROADBAND

Enterprise
Consumer



DEFENSE

Fixed Networks
On-the-Pause (SOTP)
On-the-Move (SOTM)



~1,200 Employees

1987 Founded

20 Sales Offices

7 R&D Centers

3 NOC Centers

GILT NASDAQ/TASE



Gilat Proprietary and Confidential

GILAT in BRAZIL



- Gilat is Committed to Brazil
- Local Establishment.
- +25 years in Brazil (since 1999)
- Many historical networks and projects.
- Strong Local Presence
 - Local Sales Office and Relationship
 - Local Sales Engineering
 - Local Project Management
 - Local Logistics
 - Local 24 x 7 Customer Technical Support



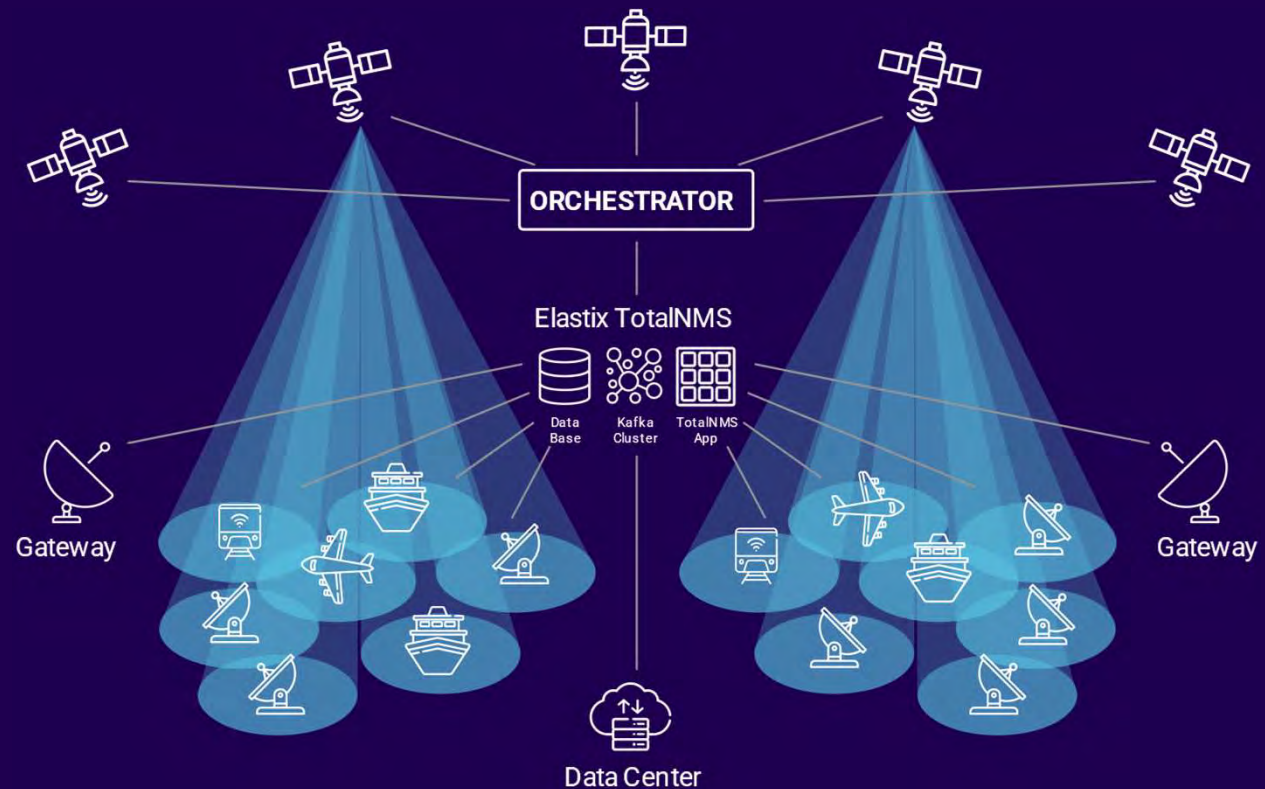
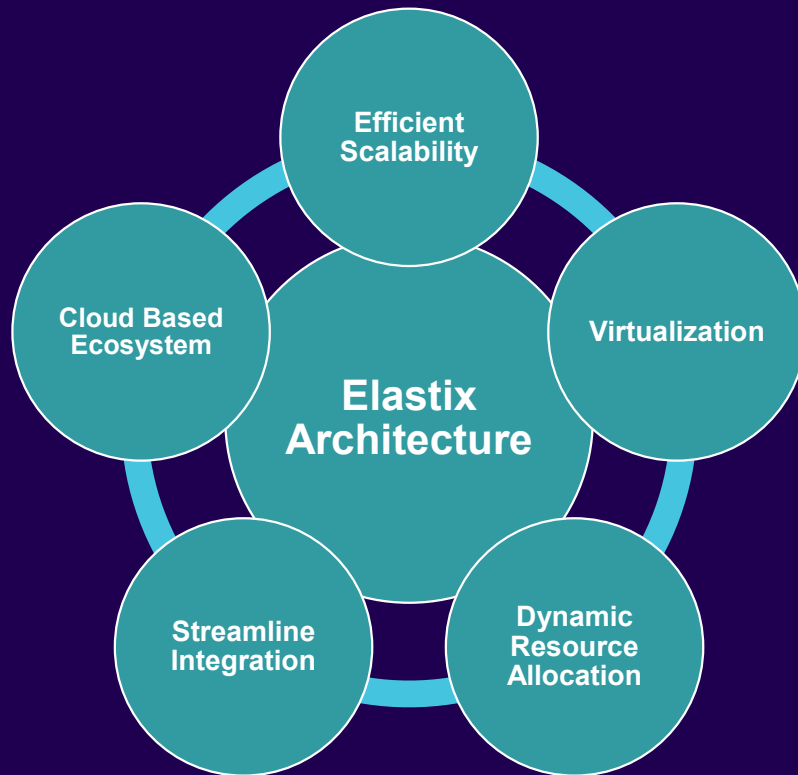
SkyEdge IV Overview



Gilat Proprietary and Confidential

SKYEDGE IV SOLUTION

- **Elastic, open** platform paving the **evolution path** to **software-defined** satellite networks at **greatest cost efficiency** throughout the network's lifecycle



SKYEDGE IV EVOLUTION VECTORS



HIGHER DENSITY

- High-capacity feeder links
- High number of beams
- Lowest cost per bit
- Low footprint



VIRTUALIZED DATA CENTER

- Dynamic demand-based resource allocation
- Optimize service ramp-up over large coverage area



HIGH PERFORMANCE TERMINALS

- Wide range of terminals
- Pushing performance envelope higher
- Rich L2/L3 services



SMART SCALABLE MANAGEMENT

- Higher operational efficiency
- Higher service availability and deployment



HIGH SCALE OPEN INTERFACE

- Higher integration
- Streamlined management
- Automated service orchestration

INNOVATION

Software-Defined Everything (Carriers, Processing, Networking, Services)

Virtualized SkyEdge IV



Gilat Proprietary and Confidential

Gilat Signs a \$40 Million Contract for Virtualized SkyEdge IV Platform

- Designed with a cloud-native architecture and ready for future 5G-NTN (Non-Terrestrial Network) standards
- Be delivered over the next 24 months (2027)
- “We are excited to support new software-defined satellites, delivering a virtualized next-generation ground segment architecture”, said Ron Levin, President Commercial Division at Gilat.
- “This puts Gilat on an accelerated R&D development path and rapid evolution toward a 5G-NTN standard platform and introduction of new services”.



Gilat Proprietary and Confidential

Gilat Signs a \$40 Million Contract for Virtualized SkyEdge IV Platform



Cloud architecture and 5G-NTN future readiness included in this platform define the next phase of Gilat's ground segment innovation

Petah Tikva, Israel, June 3, 2025 — Gilat Satellite Networks Ltd. (NASDAQ: GILT, TASE: GILT), a worldwide leader in satellite networking technology, solutions and services, announced today that it has received a \$40 million contract for its virtualized SkyEdge IV platform, expected to be delivered over the next 24 months. Designed with a cloud-native architecture and ready for future 5G-NTN (Non-Terrestrial Network) standards, the platform marks a major step forward in the transformation of satellite ground networks, enabling satellite operators and service providers to meet the evolving demands of modern connectivity.

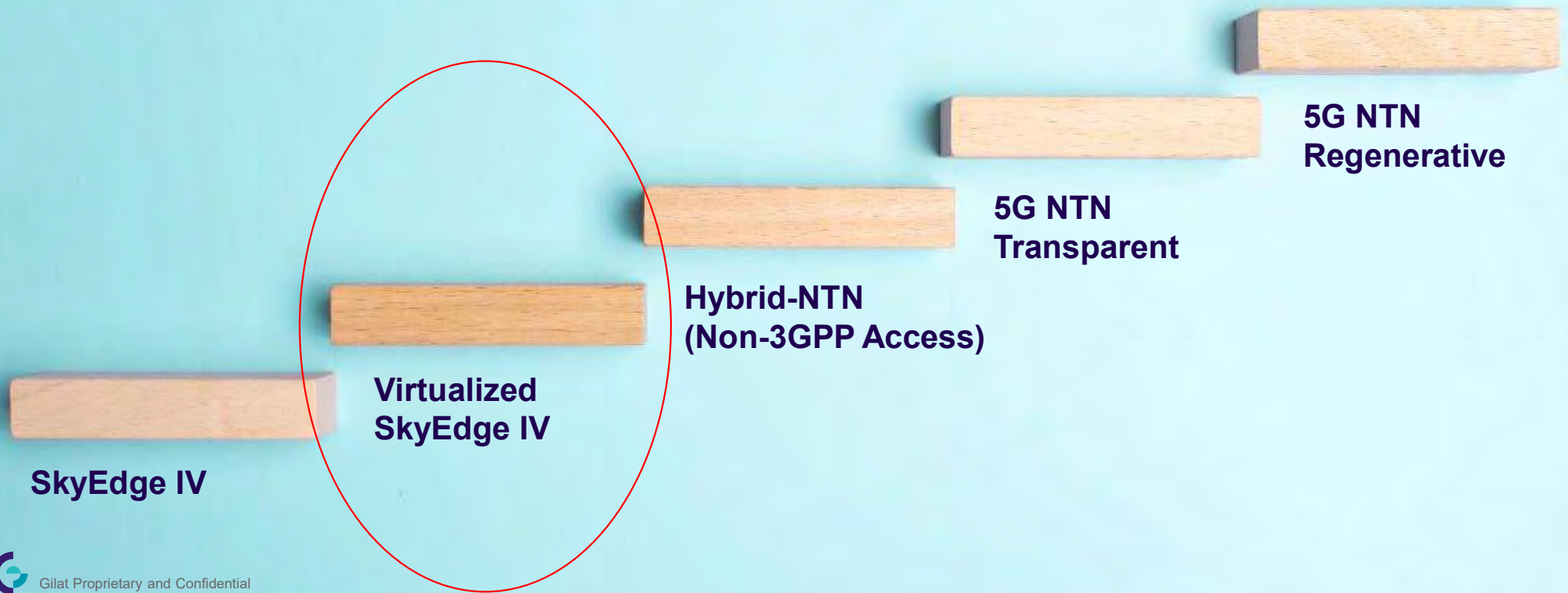
This milestone award demonstrates the successful evolution strategy of Gilat's SkyEdge IV platform, now virtualized over cloud infrastructure and utilizing the DIFI digital interface open standard. The multi-service, fully virtualized SkyEdge IV software platform delivers unprecedented adaptability, scalability, and efficiency, enabling satellite operators to deploy the platform on standard cloud-based infrastructure and thereby accelerate the delivery of multi-orbit next-generation services.

This deployment also marks a significant step in the SkyEdge IV evolution plan for 5G NTN, further solidifying Gilat's move towards ground segment digital transformation. This evolution promises standard ubiquitous connectivity across terrestrial and non-terrestrial networks, a multi-vendor open ecosystem for the satcom industry, and new revenue streams from new use cases.

“We are excited to support new software-defined satellites, delivering a virtualized next-generation ground segment architecture”, said Ron Levin, President Commercial Division at Gilat. “This puts Gilat on an accelerated R&D development path and rapid evolution toward a 5G-NTN standard platform and introduction of new services”.

Smooth Evolution to Virtualization and 5G NTN

Empower Satellite Operators to evolve strategically, along technology maturity, preserving their current S2X investments and maintaining business operations, with a phased approach



Virtualization

- Running platform as cloud native
- Use General purpose HW
- Private or Public Cloud
- Sharing infra. resources with other systems (Compute, Storage, networking)
- Dynamic scaling



Public

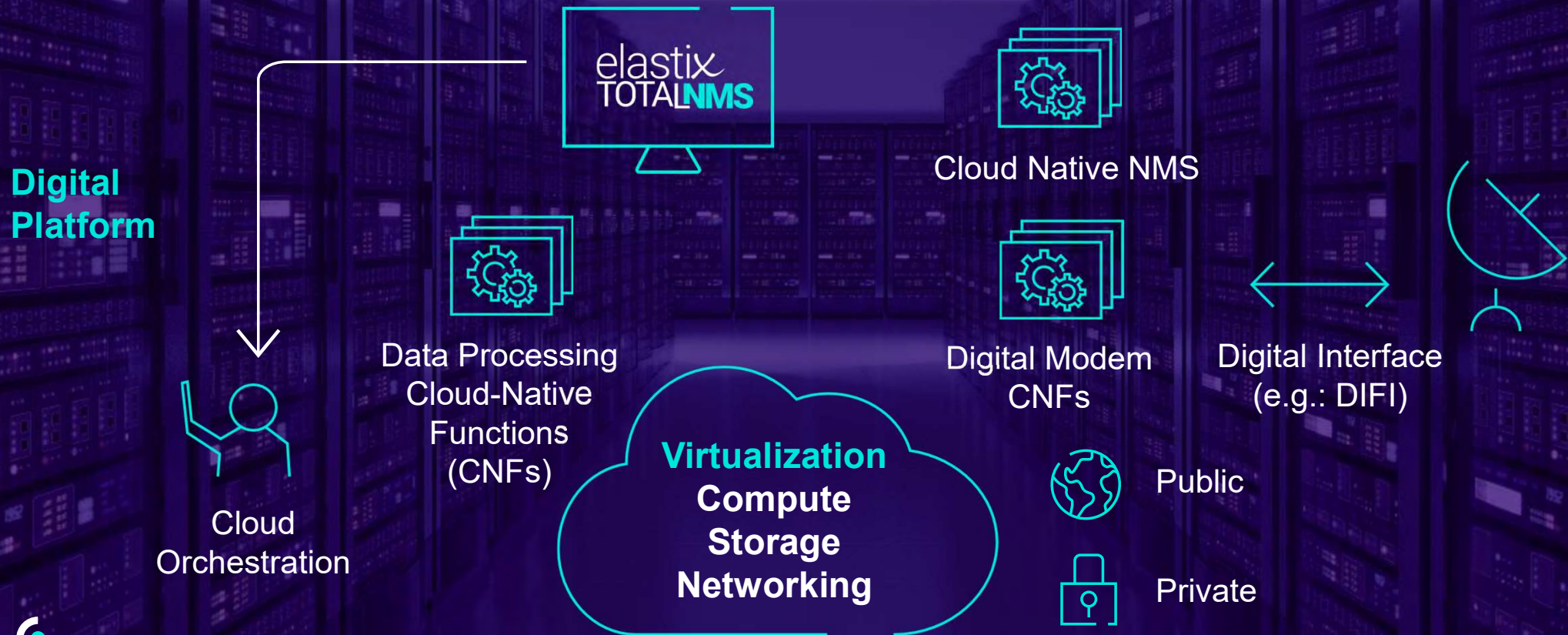


Private

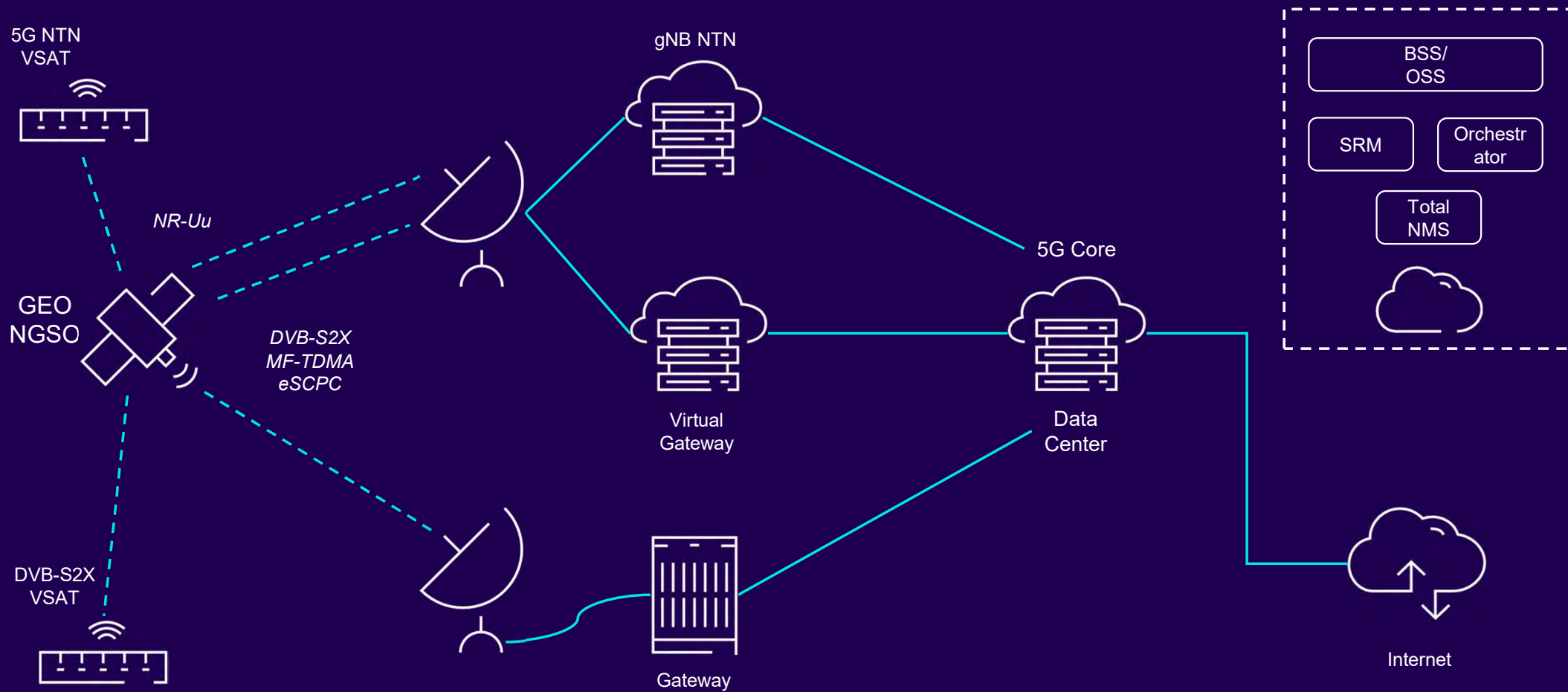
- ✓ Unlock vendor dependency
- ✓ Unified processes to manage all IT Infrastructure
- ✓ Reuse of resources between systems
- ✓ Increased security
- ✓ Dynamic optimization of resources to demand



Transitioning to a virtualized all-software digital platform that efficiently operates on standard off-the-shelf hardware

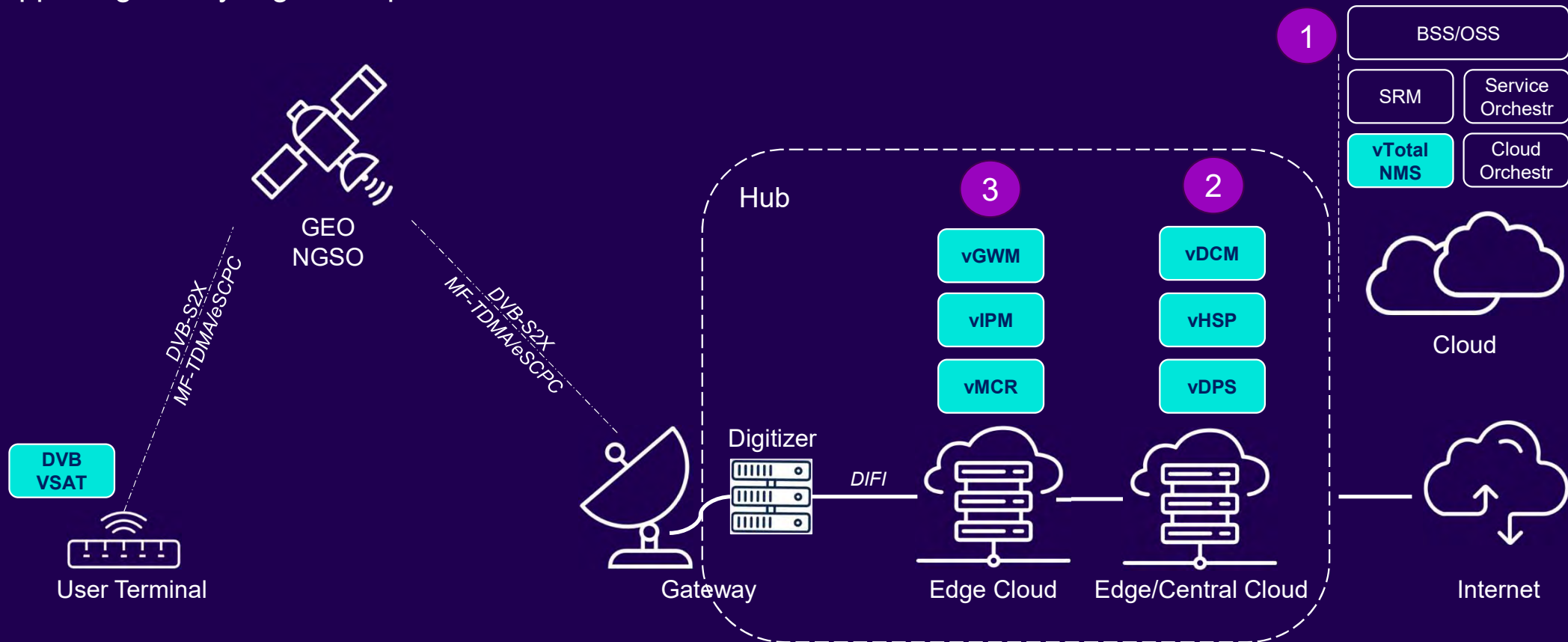


Evolution to Multi-Waveform Architecture

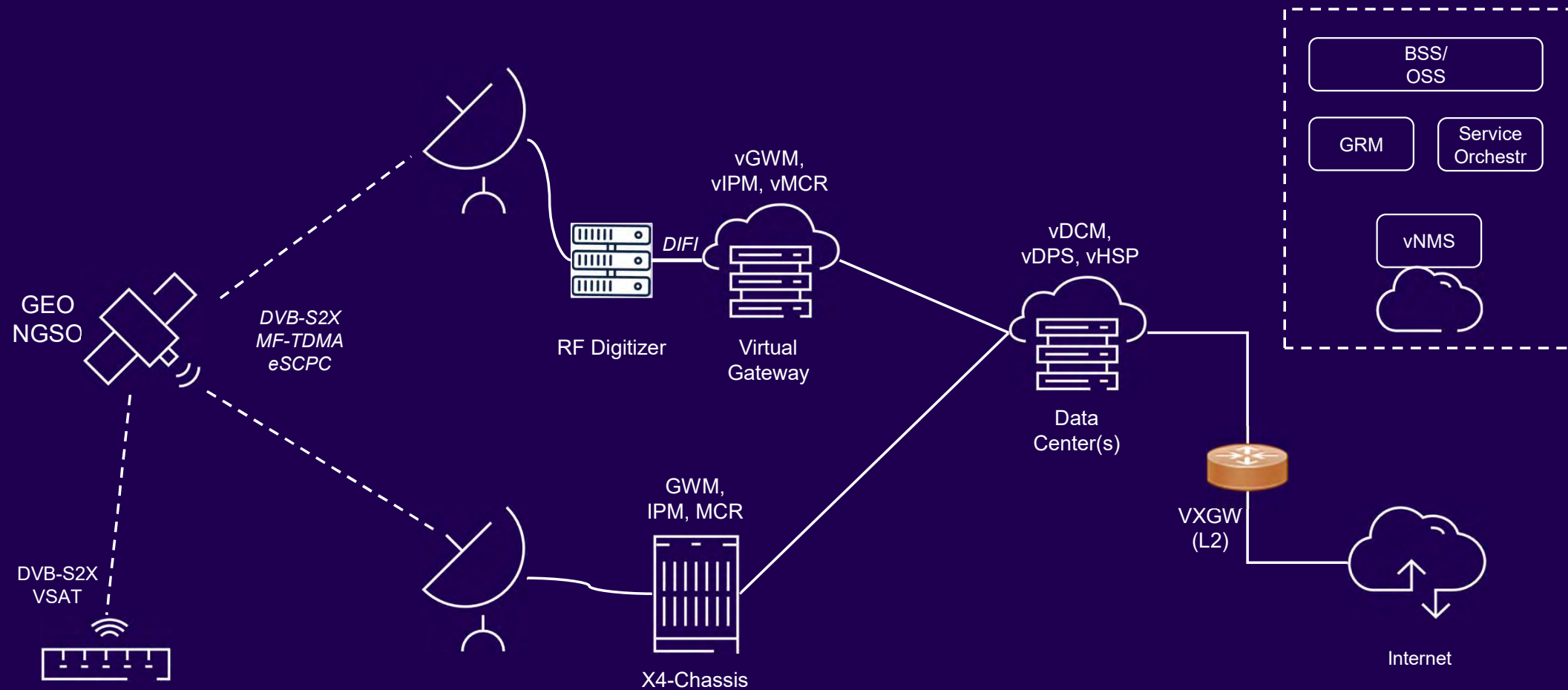


Virtualized SkyEdge IV

- Virtualized Cloud-Native SkyEdge IV running on Cloud Infra & Commercial of the Shelf (COTS) Hardware
- Supporting all SkyEdge IV capabilities

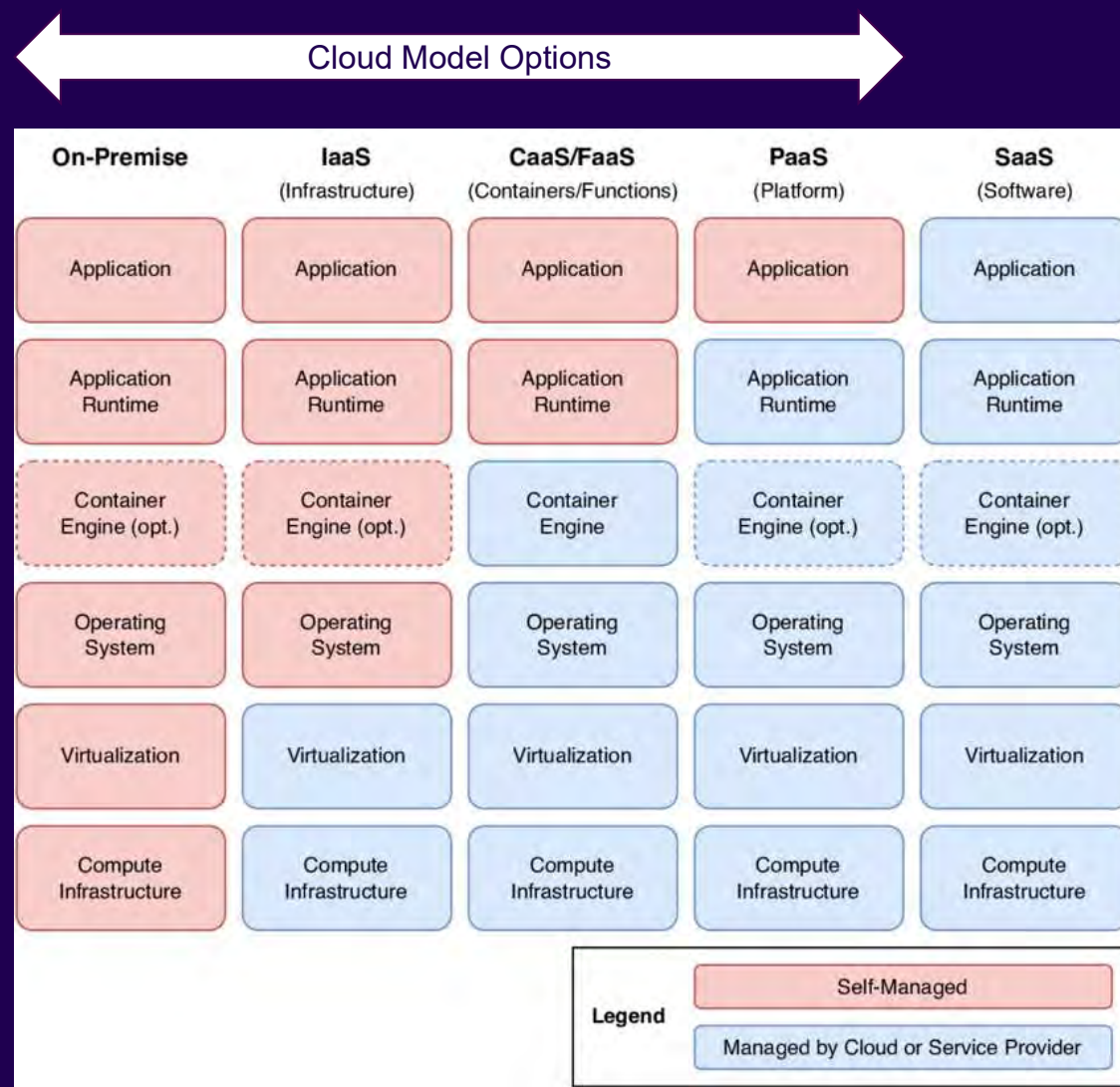


Virtualized and Bare-Metal SkyEdge IV Co-Existence



Cloud Model

- SkyEdge IV cloud-native solution should be able to run on any Cloud Model, as different customers may have different Cloud approaches
- Main approach is PaaS model with split roles & responsibilities between Gilat & SNO
- Other SNOs may have IaaS model, asking Gilat to provide everything above VM (OS, Runtime, Middleware and Application)
- Other SNOs may have On-Premises approach, asking Gilat to bring and be responsible for the complete e2e solution layers (HW, SW & Support)



All SkyEdge IV System Capabilities Are Kept!

Orbits & Waveforms	Multi-Orbit (GEO, MEO)	DVB-S2X eSCPC	Ku, Ka Bands	VSAT Modems	
Networking & Services	Multicast, IGMP	L2 MEF Services	L3 Services	NAT, DHCP, RIP, BGP	
Cellular Backhaul	TCP Acceleration	GTP Acceleration	Cellular Backhauling	RTP Header Compression	
QoS & Security	Multi-Layer QoS	Security Services	ACL & TRANSEC	Terminal Authentication	
Mobility Services	Mobility Management	Inter-SNO Roaming	Inter Platform Handover	NGSO & SDS	
Management & Control	NMS/DC/GW Diversity	Total NMS Full FCAPS	REST & KAFKA NBI	Multi Level Monitoring	
Virtualization & Cloud	Cloud Infra COTS HW	Platform as a Service (PaaS)	Cloud-native functions	Virtual Waveform & DIFI	High Availability & Scaling
					Orchestration Integration



Summary

- SkyEdge IV solution is transforming to **virtualized cloud-native software-based platform** running on Commercial Off-The-Shelf (COTS) on-premise, public, private or hybrid cloud
- SkyEdge IV **functionality is not changed** while transforming to All-Virtualized solution
- SkyEdge IV software is **one common to bare-metal** and cloud model – on-premise, IaaS (Infrastructure as a Service), CaaS (Container as a Service), PaaS (Platform as a Service).
- Virtualized SkyEdge IV solution **benefits from Cloud technology capabilities**
 - Scalability and Elasticity
 - Resiliency and High-Availability
 - Operational Efficiency and Automation
 - Agility and Faster TTM (Time to Market)
 - Security, Monitoring and more
- **R&R** – Cloud infra & tools can be under SNO (Satellite Network Operator) responsibility (Split Roles & Responsibilities) or under Gilat responsibility (full Gilat Roles & Responsibilities)



Summary (2)

- SkyEdge IV concept of “sites” will be kept – NMS site, DC sites, GW sites, with inter-site networking
- Using COTS FPGA Acceleration cards for Virtualized Waveform processing at the GW sites
- Virtualized SkyEdge IV solution follows up-to-date standards – DIFI, WAVE, MEF, LF CNCF, ETSI MANO
- Virtualized and Bare-Metal SkyEdge IV coexistence in customer cases, mainly for Gateways
- Virtualized SkyEdge IV has a new Cloud-based OAM ConOps (Operation and Maintenance Concept of Operations) for Day 0/1/2/3 OAM processes
- Virtualized SkyEdge IV Management solution inter-operates with 3rd-party Service and Cloud Orchestration systems and tools

Thank You

marceloa@gilat.com

