

“6G Vision & Requirements – What’s next?”

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Director General, GSOA



ETSI ESA Workshop - NTN TN - 6G

The global CEO-driven association representing the entire satellite industry



GSOA provides a platform for collaboration between member companies involved in the satellite ecosystem globally and a unified voice for the sector

AIRBUS

ALL.SPACE

amazon | project kuiper

AMOS by Spacecom
MAKING SPACE FEEL CLOSER

ANUVU
LET INNOVATION MOVE YOU

عرب سات
ARABSAT

arianespace
arianeGROUP

ARSAT

Astroscale

augsenselab

AVANTI

AVEALTO

AVL
TECHNOLOGIES

azercosmos

BeetleSat

BOEING

COMTECH

Crosslynx

ECHOSTAR

Embratel

EUTELSAT GROUP

Gilat

global invacom
group

hellasat
A part of Arabsat world

hispasat

HUGHES
An EchoStar Company



INTEGRASYS

Intellian

INTELSAT

INTERSPUTNIK

iridium

KRATOS
READY FOR WHAT'S NEXT

KYMETA

lintasarta



LIQUID
INTELLIGENT TECHNOLOGIES
SATELLITE

LOCKHEED MARTIN

MARLINK
Connect smarter. Anywhere.

MonacoSAT
The future is in Space

NIGCOMSAT
Africa's first GLOBAL POSITIONING

Nilesat

OASIS
NETWORKS
Online with you!

omnispace

orange Business
Services

Ovzon

QUADSAT

Rascom Star

RCS
making communication happen

RIVADA
SPACE NETWORKS

RIVER
ADVISERS

SATCUBE

SATELIOT
Space · Connecting · 5G toT

رابط الشبكات السعودية
SAUDI NET LINK

SES

SKY Perfect JSAT
Corporation

SPACEBRIDGE

speedcast

ST Engineering
iDIRECT

SMW
SWEDISH MICROWAVE AB

talia

telenor | satellite

TELESAT

TELESPAZIO
a LEONARDO and THALES company

Telstra

ThalesAlenia
Space
a Thales / Leonardo company

THURAYA

TURKSAT

ULTISAT
A Speedcast Company

Viasat

الياه سات
yahsat

By 2030.....

More than 500 million people will connect via Satcom, twice as much as today

81 million students will benefit from satcom tele-education

74 million people will benefit from satcom tele-medicine

Today's society relies on **connectivity**

Terrestrial infrastructure is limited and leaves a **connectivity gap**

Satcom bridges gap & provides universal and meaningful connectivity to all

Towards a fully integrated ecosystem

4G & Before

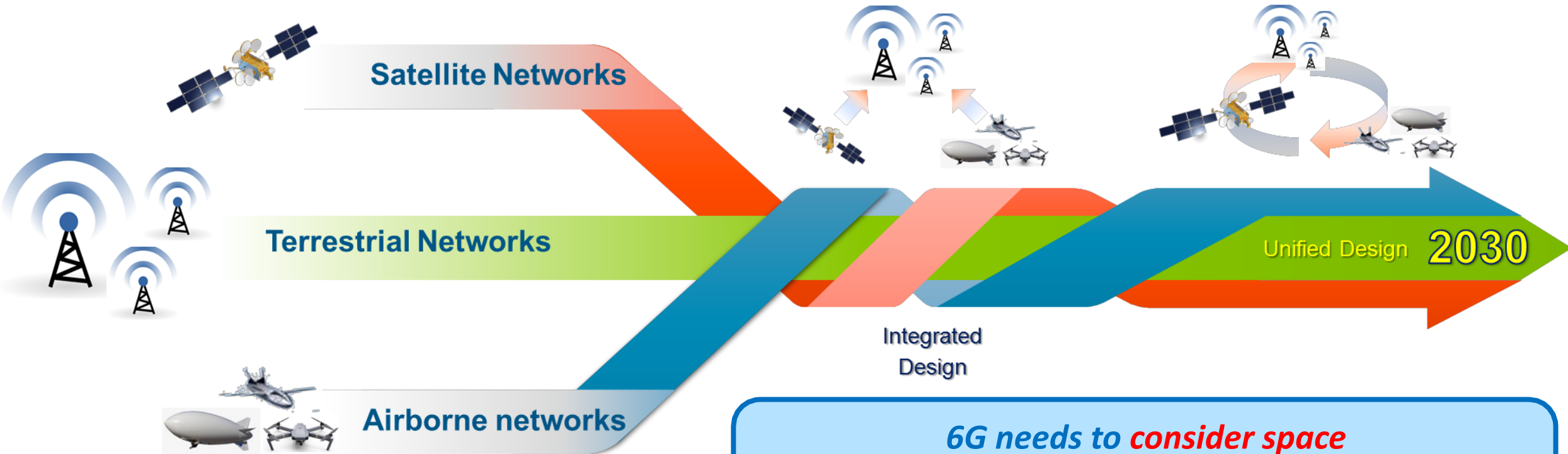
Little or No Integration

5G & B5G

Move towards Partial Integration

6G & beyond

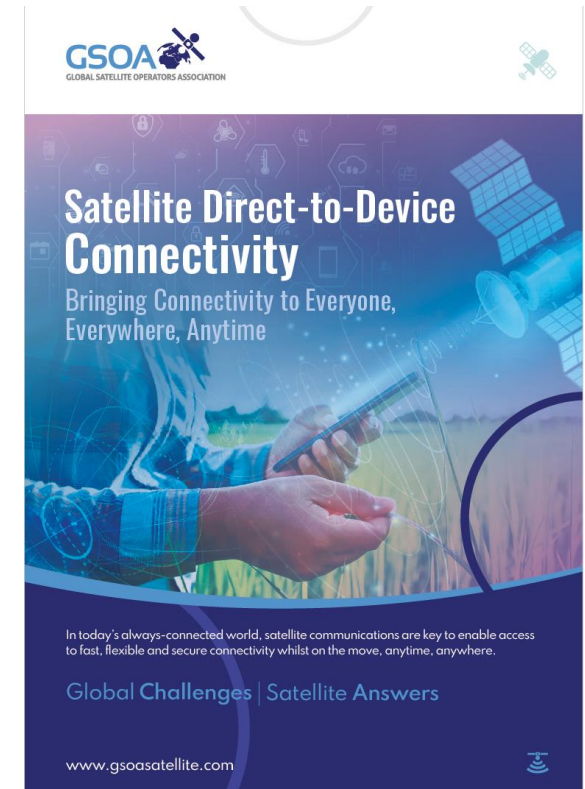
Full Space & Terrestrial Integration



*6G needs to **consider space**
from **beginning** in definition of
new protocols and network architecture*

To allow satellite D2D to reach its potential, the following key aspects that are necessary to ensure the development of a competitive satellite D2D marketplace.

- › **A Flexible Regulatory Framework that Enables Competition**
- › **Globally Harmonized Spectrum**
- › **Foster Global and Open Standards**
- › **Transparent and Rational Licensing Regime**



<https://gsoasatellite.com/wp-content/uploads/GSOA-D2D-Paper.pdf>

IMPORTANCE OF COLLABORATION

Cooperation Agreement



Memorandum of Intent



Partnerships & Collaborations



...and many more

3GPP NTN Standards – Technology of the year Award

GSOA, ESA, EchoStar, Thales, Inmarsat/Viasat, Intelsat, Sateliot
and Individual Contributors

Announced at the SATELLITE 2024, Washington DC



More information on the entry and other nominations at
<https://interactive.satellitetoday.com/via/march-2024/satellite-technology-of-the-year-nominees-for-2023>



Future is collaboration, multi-orbit & multi-technology



By 2030, the global socio-economic benefits of Satcoms will exceed \$256 billion



THANK YOU!

For more information contact GSOA on
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