

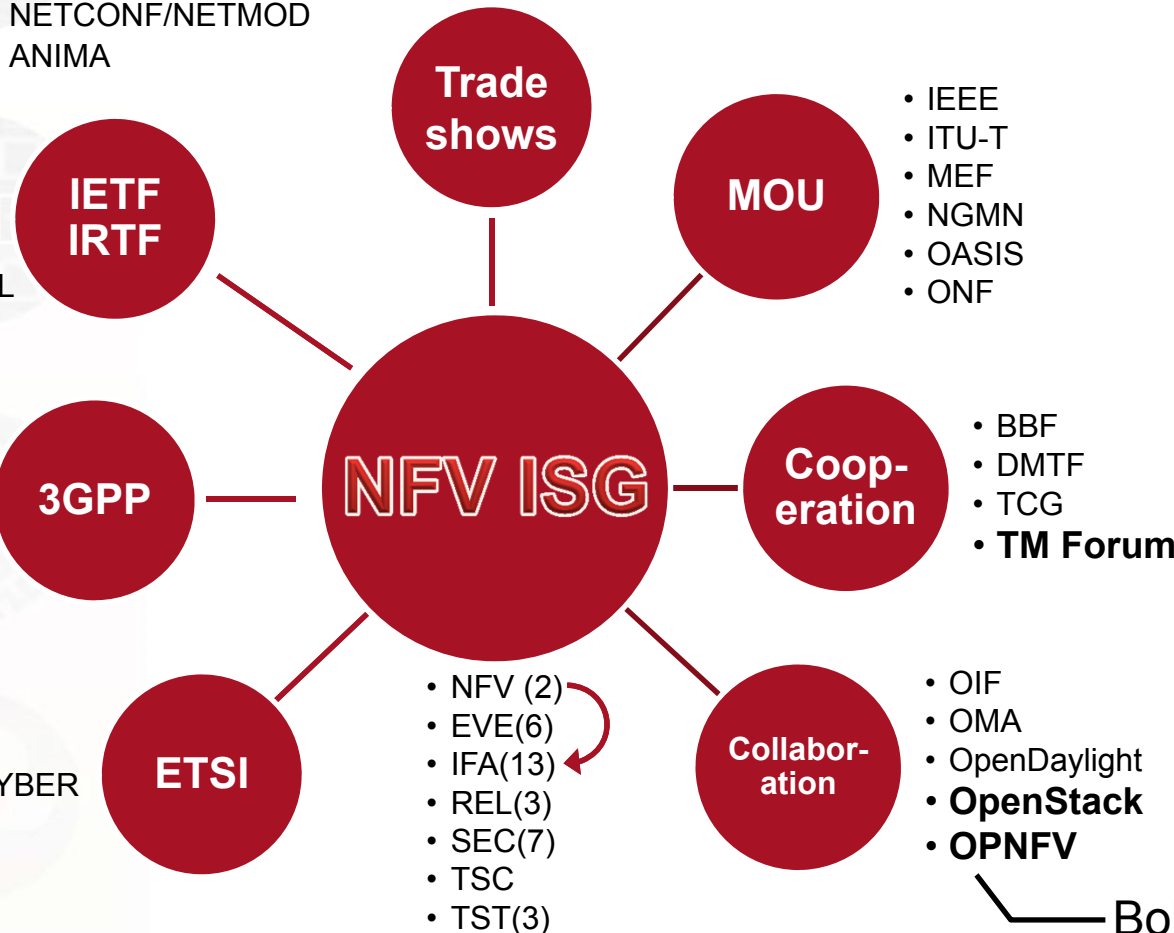
# NFV Organization Ecosystem

- SFC
- NVO3
- I2RS
- NETCONF/NETMOD
- LMAP
- ANIMA

- \*I2NSF
- \*IBNEMO
- \*ACTN
- \*SUPA
- \*VNFPOOL
- SDNRG
- NFVRG

- **SA5**
- SA3
- SA3LI

- TC CYBER
- TC LI
- MEC



- These groups are meeting weekly, and dealing with hundreds of input documents per month
- They work among each other directly
- No industry development has ever had this kind of rapid pace, across so many different bodies, by so many diverse companies

Bold=strong relationships

# of current Work Items

# ISG-NFV: 258 members and growing constantly

6WIND	Cirpack	Foxconn Technology	NEC Europe	Solarflare Communications
A10 Networks	Cisco Systems Belgium	Huawei Technologies (UK)	NetNumber	Sonus Networks
Absolut Creations	Citrix Systems	Huawei Technologies	Netronome Systems	Sony Europe
ACG Research	ClearPath Networks	Huawei Technologies France	Netrounds	Spidercloud Wireless
Adlink Technology	Cloudmark	Huawei Technologies Sweden	Netsocket	Spirent Communications
ADTRAN Europe	Colt Technology Services	iBasis	Netzyn	Sprint Corporation
ADVA Optical Networks	Comptel Corporation	IBM Europe	Nextworks	Stratus Technologies
Advanced Micro Devices	Comverse Network Systems	IDC Research	Nokia Networks	Sunbay
AEAPONYX	Connectem	IDT Canada	Noviflow	Swisscom
Affirmed Networks	ConteXtream	IneoQuest Technologies	NTT Corporation	Symantec
Akamai Technologies	Core Analysis	Infinera Corporation	OKI Electric Industry	Syngolica
ALAXALA Corporation	Coriant R&D	InfoEX Technology and Services	Tail-f Systems	Tech Mahindra
Alcatel Lucent	Corsa Technology	Informa Telecoms and Media	Technion R&D	Tekelec
Allot Communications Systems	Cyan	Intel Corporation (UK)	Tektronix	Telchemy
Altera Corporation	Definition Networks	Interdigital Communications	Telco Systems	Telecom Italia
Amartus	DELL	Intune Networks	Telefonica	Telekom Austria
Amdocs Software Systems	DESS	IP Infusion	Telekom Research &Development	Telenor
Anuta Networks	Deutsche Telekom	IPANEMA Technologies	TELNET Redes Inteligentes	Telstra
Applied Communication Sciences	Diallogic Corporation	IPgallery	Tencastle	Tieto Sweden
AQSACOM	DOCOMO Communications	Iskratel	Tilea	Turk Telekom
Aricent Group	Dorado Software	Italtel S.p.A	Turk Telekom	Ubicity Corporation
ARM Limited	Dublin City University	ITOCHU Techno-Solutions	Ubicity Corporation	UBIqube
Arris Group	ECI Telecom	Ixia	ULticom,	University of Patras
Artesyn Embedded Computing	Edgewater Networks	Jasla LLC	University of the Basque	UPRC
ASOCS	Eileen Healy and Co.	JDSU Deutschland	Verizon UK	Versa Networks
ASSIA	Elfiq Networks	Juniper Networks	Virtela Technology Services	Virtual Open Systems
AT&T	Embrane	KCCS Mobile Engineering	Visionael Corporation	VMware
ATIS	EMC Information Systems	KDDI Corporation	Vodafone Group Services	Wavenet International
Belgacom	Emulex Corporation	Keynote-Sigos	Wind River	Windstream Communications
Bell Mobility	eNovance	KINX	Wipro	Wiretap Ventures
Benu Networks	EnterpriseWeb	KPN	Yaana Technologies	Yokogawa Europe
Blekinge Tekniska Högskola	Ericsson	KT Corporation	ZTE	
Blue Ocean Networks	ETRI	L&T Technology Services		
Broadcom Corporation	European Advanced Networking	Lancaster University		
Brocade Communications	Everything Everywhere	Layer123		
BT Group PLC	Evolving Systems Networks India	Level 3 Communications UK		
BTI Systems,	EXFO	LSI Corporation		
Cablelabs	EZchip Technologies	Mantra Telecom Inc		
Cadzow Communications	F5 Networks	Marvell Switzerland		
Calix Networks	Flextronics	Mavenir Systems UK		
Calnex Solutions	France Telecom	MeadowCom		
Calsoft Labs	Fraunhofer FOKUS	MEF		
Canonical Group	Freescale Semiconductor EMEA	Mellanox Technologies		
Cavium	FTW - Telecom Research	Metanoia Innovations		
CenturyLink Corporation	Fujitsu Laboratories of Europe	Metaswitch Networks		
CENX	Fujitsu Limited	MetraTech Corp.		
Ceragon Networks	Genband Ireland	Mojatatu Networks		
China Mobile US Research	GES Group	MRV Communications		
China Telecommunications	Guavus	Napatech		
China Unicom	HangZhou H3C Technology	NTAC		
Ciena Corporation	Hewlett-Packard	NCSR Demokritos		
CIMI Corporation	Hitachi Europe	NEC Corporation		

# 56 Basic document deliverables

Reference ID	Short Title
GS NFV 002 Ver. 1.1.1	NFV Architectural Framework
GS NFV 003 Ver. 1.1.1	Terminology for Main Concepts in NFV
GS NFV 004 Ver. 1.1.1	NFV Virtualisation Requirements
GS NFV 001 Ver. 1.1.1	NFV Use Cases
GS NFV 002 Ver. 1.2.1	NFV Architectural Framework
GS NFV 003 Ver. 1.2.1	Terminology for Main Concepts in NFV
PWI_NFV_14125_v1	Stage 1 Rqmts for MANO interfaces
DGS/NFV-EVE001	Hypervisor Rqmts spec
DGS/NFV-EVE002	MEF Use Cases report
DGS/NFV-EVE003	NFVI Node Arch report
DGS/NFV-EVE004	Virtualisation technologies Report
DGS/NFV-EVE005	SDN usage in NFV Report
DGS/NFV-EVE006	NFV lindustry roadmap
DGS/NFV-IFA001	Acceleration 1 - UCs report
DGS/NFV-IFA002	Acceleration 2 - VNF Intface Spec
DGS/NFV-IFA003	Acceleration 3 - vSwitch Spec
DGS/NFV-IFA004	Acceleration 4 - Mgmt aspects Spec
DGS/NFV-IFA005	Or-Vi ref point Spec
DGS/NFV-IFA006	Vi-Vnfm ref point Spec
DGS/NFV-IFA007	Or-Vnfm ref point Spec
DGS/NFV-IFA008	Ve-Vnfm ref point Spec
DGS/NFV-IFA009	MANO architectural options report
DGS/NFV-IFA010	MANO Functional Rqmts Spec
DGS/NFV-IFA011	VNF Packaging Spec
DGS/NFV-IFA012	Os-Ma-Nfvo ref point Spec - svc mgmt & info
DGS/NFV-IFA013	Os-Ma-Nfvo ref point Spec - info model
DGS/NFV-IFA014	Network service templates
GS NFV-INF001 Ver. 1.1.1	Infrastructure Overview
GS NFV-INF003 Ver. 1.1.1	Infrastructure Compute Domain

Reference ID	Short Title
GS NFV-INF004 Ver. 1.1.1	Infrastructure Hypervisor Domain
GS NFV-INF005 Ver. 1.1.1	Infrastructure Network Domain
GS NFV-INF007 Ver. 1.1.1	Method to describe Interfaces & Abstractions
GS NFV-INF010 Ver. 1.1.1	NFV Service Quality Metrics
GS NFV-MAN001 Ver. 1.1.1	Management and Orchestration
GS NFV-PER001 Ver. 1.1.1	NFV Performance & Portability Best Practises
GS NFV-PER002 Ver. 1.1.1	Public Demo NFV PoCs
GS NFV-PER001 Ver. 1.1.2	NFV Performance & Portability Best Practises
GS NFV-PER002 Ver. 1.1.2	NFV PoC Framework revision
GS NFV-INF004 Ver. 1.1.1	Infrastructure Hypervisor Domain
GS NFV-INF005 Ver. 1.1.1	Infrastructure Network Domain
DGS/NFV-REL002	Scalable Arch for Reliability Report
DGS/NFV-REL003	E2E reliability models report
DGS/NFV-REL004	Active monitoring & failure detection report
GS NFV-SEC001 Ver. 1.1.1	Security Problem Statement
DGS/NFV-SEC002	Security features in mgmt software report
GS NFV-SEC003 Ver. 1.1.1	Security and Trust Guidance
DGS/NFV-SEC004	LI report
DGS/NFV-SEC005	Certificate mgmt report
DGS/NFV-SEC006	Sec & Regulation report
DGS/NFV-SEC007	NFV Attestation report
DGS/NFV-SEC008	Security Monitoring report
DGS/NFV-SEC009	Approaches for multi-layer host administration
GS NFV-SWA 001 Ver. 1.1.1	Virtual Network Function Architecture
DGS/NFV-TST001	Pre-deployment Validation report
DGS/NFV-TST002	lop Testing Methodology report
DGS/NFV-TST003	Open Source Components for NFV

Phase 1 work completed (green)