OSS INTEROPERABILITY INITIATIVE (OSSII)

Ericsson, Huawei, Nokia
March 7, 2017

What is OSSii

An initiative started by Ericsson, Huawei and Nokia to enable interoperability between their OSS systems, and 3 party systems to reduce integration costs and promoting competition.

A commitment to offer licensing of their existing OSS interfaces for the purpose of development, manufacture and sale off functionality.
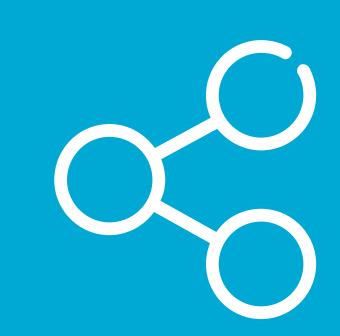1. To one another,
2. To 3rd parties subject to reciprocity (NEPs) or
3. To 3rd parties on fair and reasonable terms (ISVs without own OSS interfaces)

An addition to standardization, enabling interoperability by using the vendors' existing interfaces
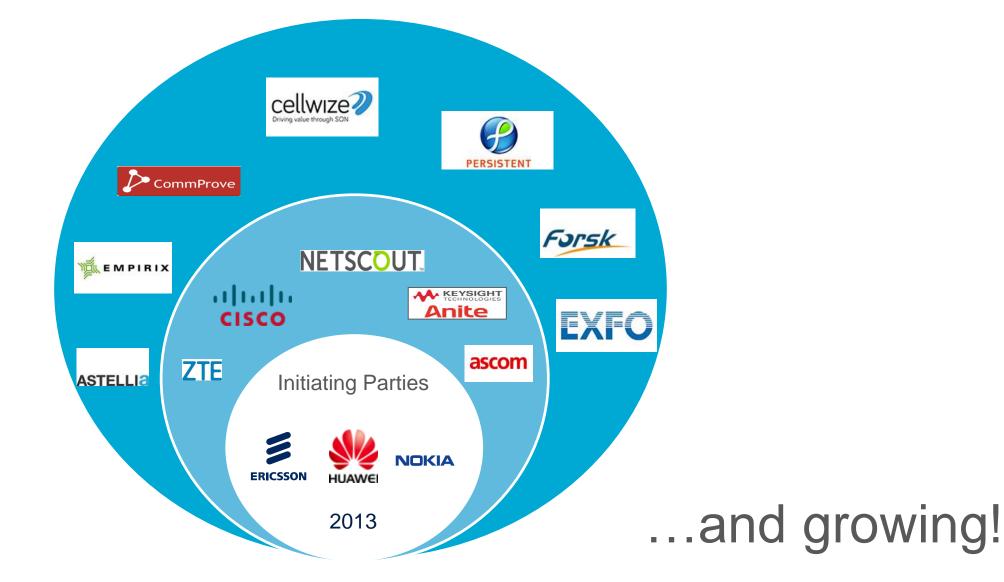
An "initiative" instead of an industry body, forum or organization
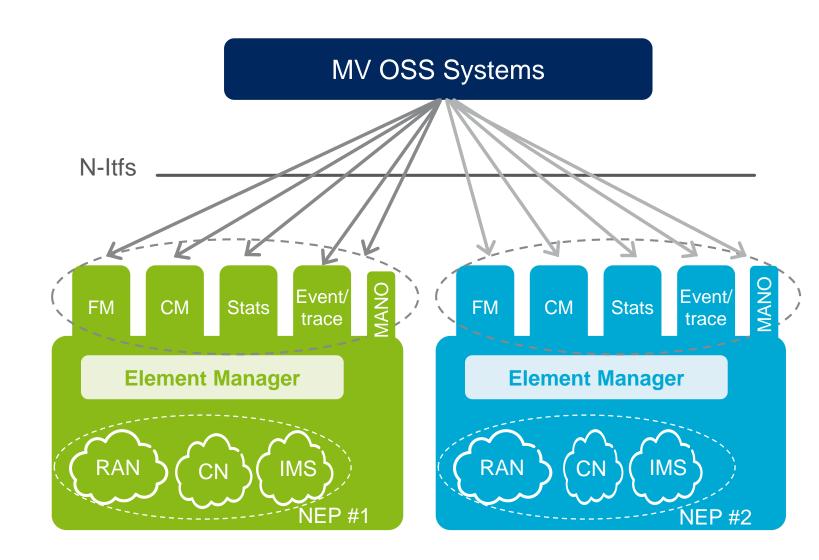The MoU made public available through a web portal

Changes to way of working

› Vendors/3rd Parties that connect their globally marketed solutions to a Vendor's proprietary OSS interfaces require an OSSii license agreement with each Vendor.

› The local organizations of each Vendor should no longer be signing local NDA's with 3rd Parties that market global products and that requires access to a Vendor's proprietary OSS interfaces .

› Global OSSii license agreements are handled by the Head Quarter of each Vendor.

› In order to avoid any misunderstanding, *any use of a Vendor's OSS proprietary interface specifications in globally marketed products is subject to having secured the necessary rights therefore.*

OSSii ecosystem

...and growing!

Scope of OSSii

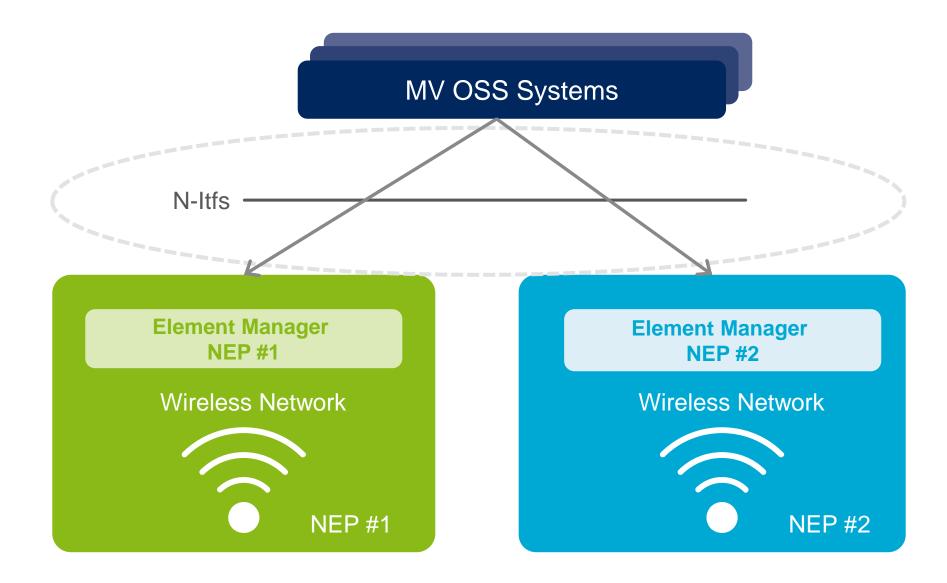**FM** -Fault Management

CM -Configuration Management

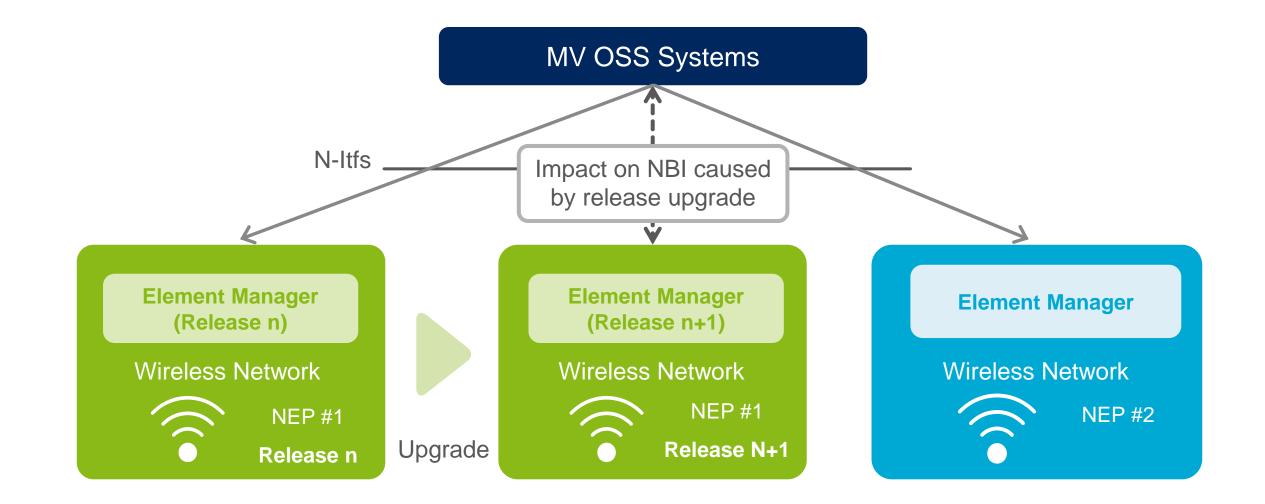**Stats** -Statistics/Counters Performance Management

Event/Trace – Event/Trace for Performance Management

MANO - Management and Orchestration "Or-Vnfm"

Challenge- cost of interoperability

Challenge-upgrades
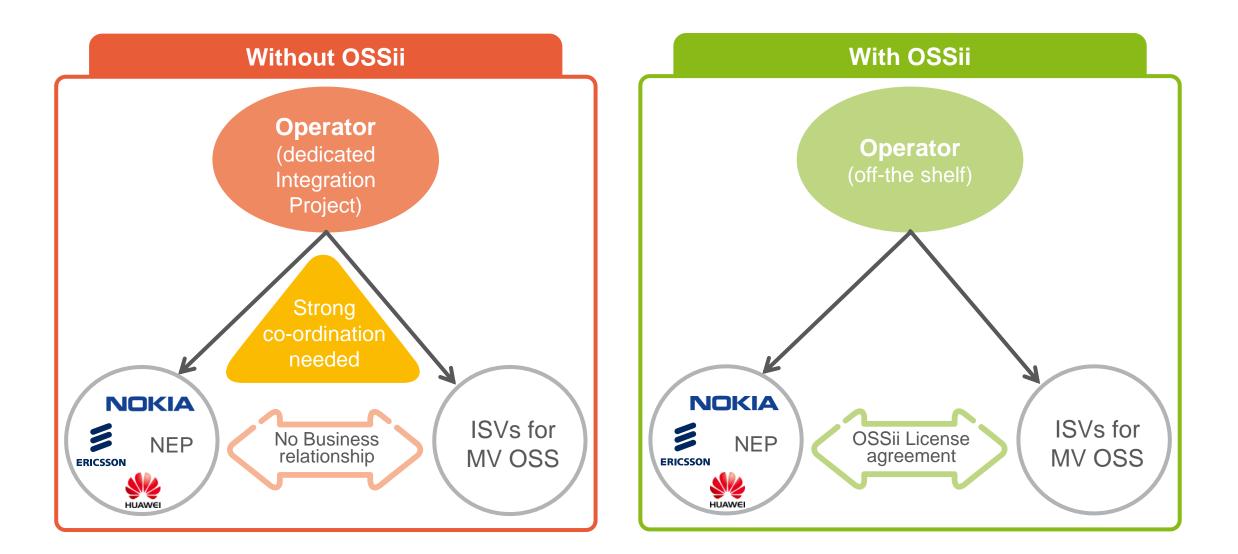
OSSii is complementary to standards

OSS Northbound Interface specification

Proprietary Elements

Standardized

› Shared specifications under OSSii include proprietary elements

› Shared documents include, in addition to specifications
  – Sample files
  – Roadmap
  – Compatibility plan
  – Testing possibility
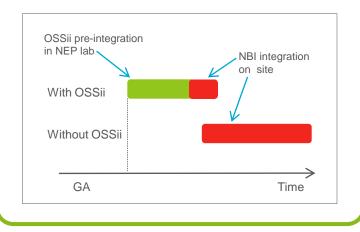
OSSii – new collaboration model

Advantages for operators

Less Coordination

› Communication channel between NEP and ISV is built by OSSii.

› NEP will support ISVs directly.

› Less or no co-ordination needed by operators.

Shorter Integration Time

› Before new/updated network version reaches the live network, the NBI integration between NEP and ISV version has already been done.

OSSii pre-integration in NEP lab

NBI integration on site

With OSSii

Without OSSii

GA · · · · · · · · · · · · · · · · · · Time

Buy off-the shelf products

› Operator can buy off-the-shelf products instead of starting an "integration project" each time.

Advantages for ISVs/3rd parties

From passive response to active planning

› ISVs get the specifications in advance and can develop products beforehand.

› Via OSSii all NBI changes will be notified by NEPs to ISV in advance.

Technical support from NEPs

› Technical documents are provided.

› Life-cycle management of NBIs.

From project to product

› Sound framework to replicate NBI integration in mass

Major benefits for 3rd parties

› Legal right to develop and offer product based on Ericsson's OSS interfaces

› Pre-verified global OSS products are available for the new network releases

› Lifecycle management is provided for the interfaces under OSSii

› Visibility of vendor roadmaps and interface changes in advance

› Access to Remote Testing Services

Possibility to develop and sell a global product

Optimize R&D resource planning

Speed up time to market

How to sign an OSSii agreement

NDA

› Get in contact with each vendor via www.ossii.net

› As a very first step a NDA will be signed

Bi-lateral Agreement

› Bi-lateral negotiations with all NEPs separately

› Signature of bi-lateral license agreement (ISV – NEP)

Post Agreement

› ISV will get access to all relevant interface documentations

› Life-cycle management of interfaces: notification on NBIs updates

› Possibility to gain access to a test service

Connect with www.ossii.net