

The background features a light green and yellow color palette. A white bridge with a railing spans across the middle. On the bridge, several stylized human figures in purple and brown are walking, some carrying briefcases. Below the bridge, two large, stylized blue faces with yellow circular eyes and curved mouths are visible, appearing to look up at the bridge. The main title is centered in large, bold, black font.

Introducing OSSii - Simplifying SON interoperability

**SON Conference
Berlin, 20/21st October 2015**

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Juha Röyskö, Nokia
Mathias Gabrysch, Huawei
(version 1.0)**

What is OSSii

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

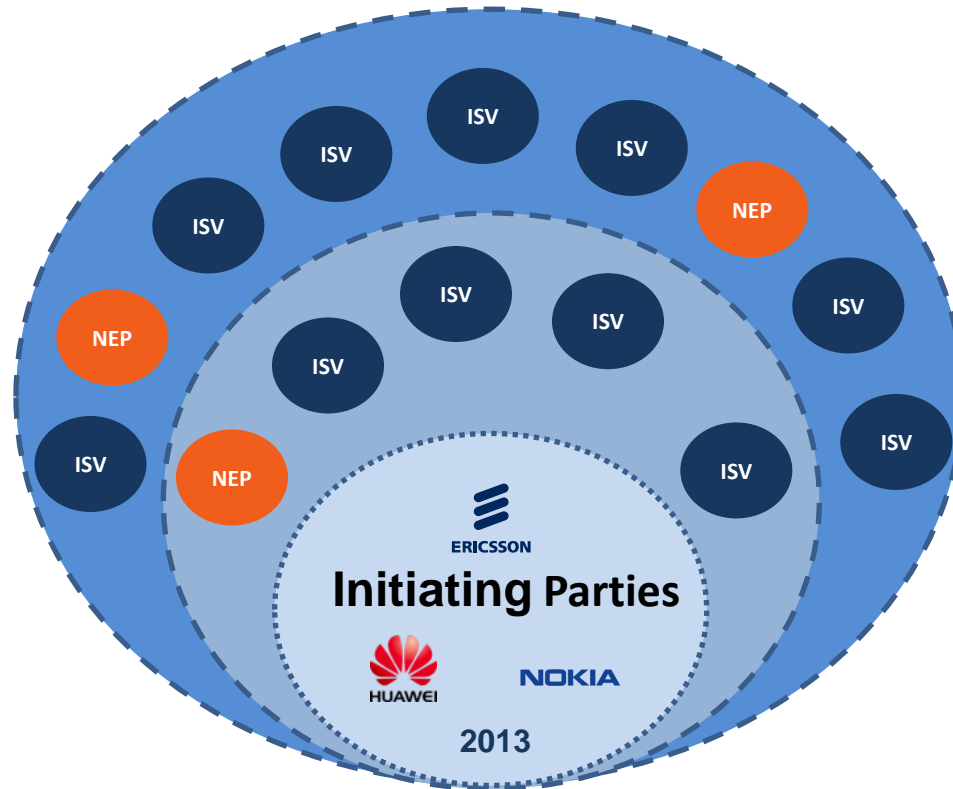
A **commitment to offer licensing of their existing OSS interfaces** for the purpose of development, manufacture and sale off functionality,

- 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)

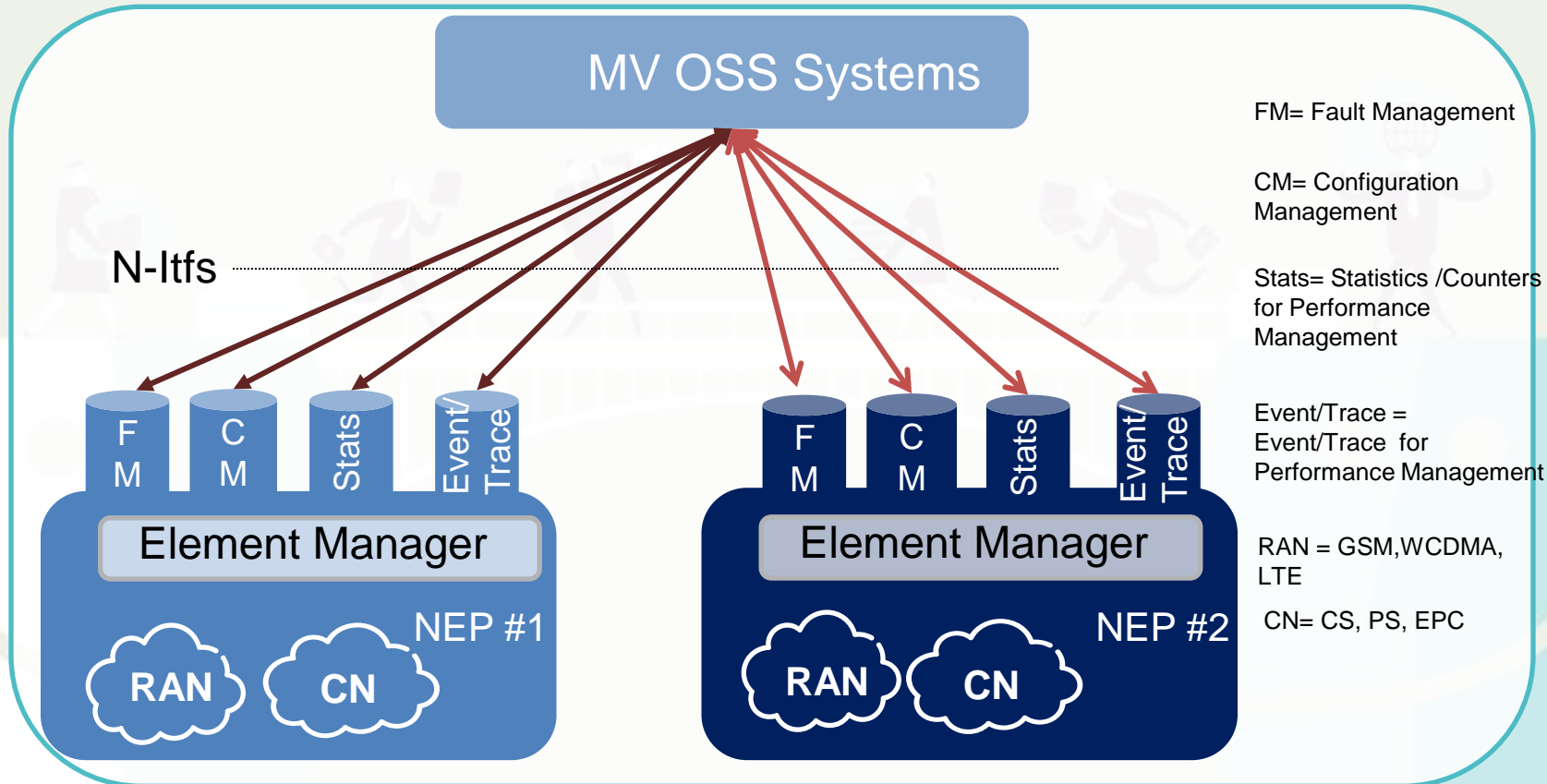
An **addition to standardization**, enabling interoperability by using the vendors' existing interfaces

An “initiative” instead of an industry body, forum or organization
The MoU made public available through a web portal

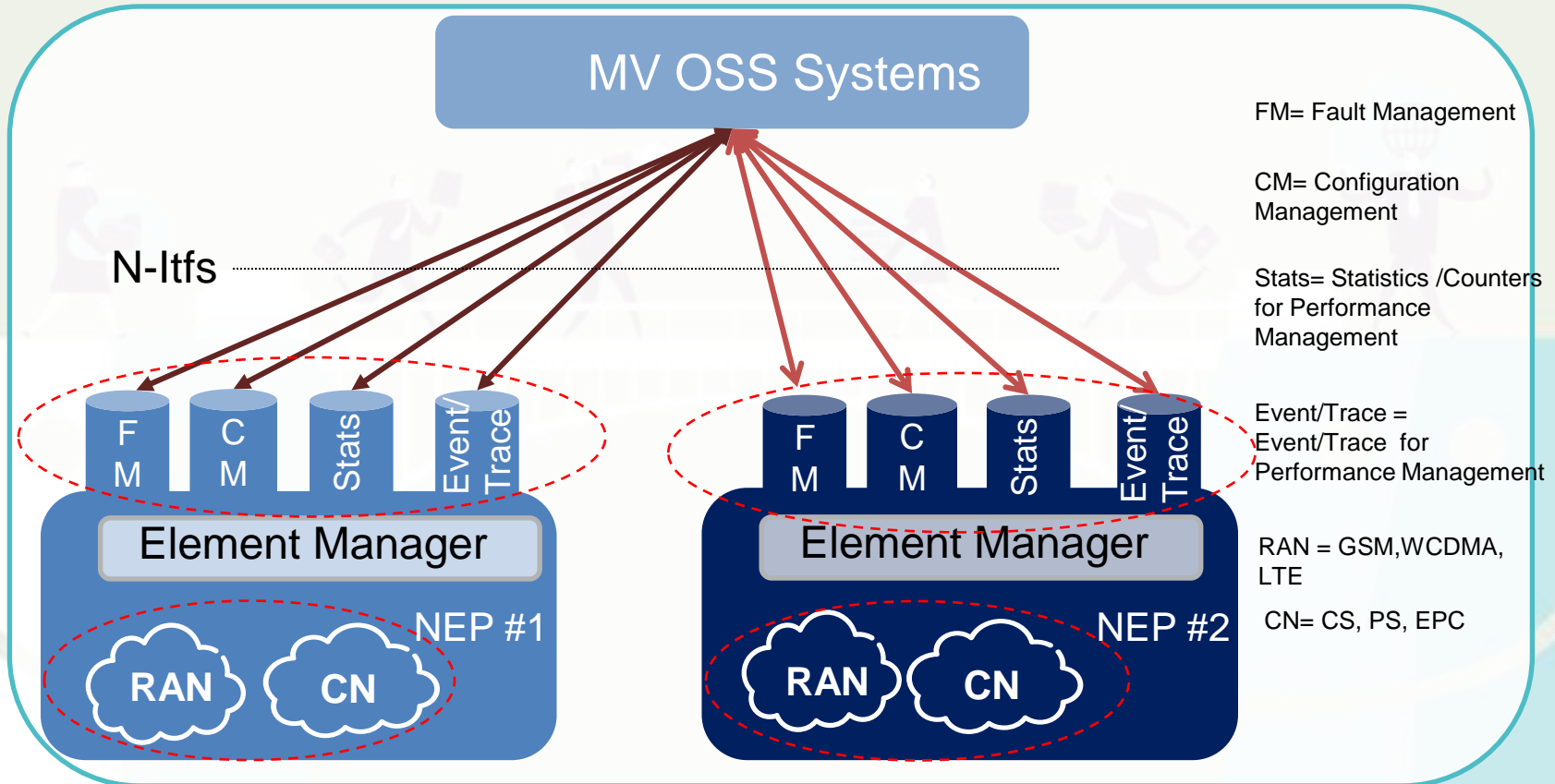
OSSii Ecosystem



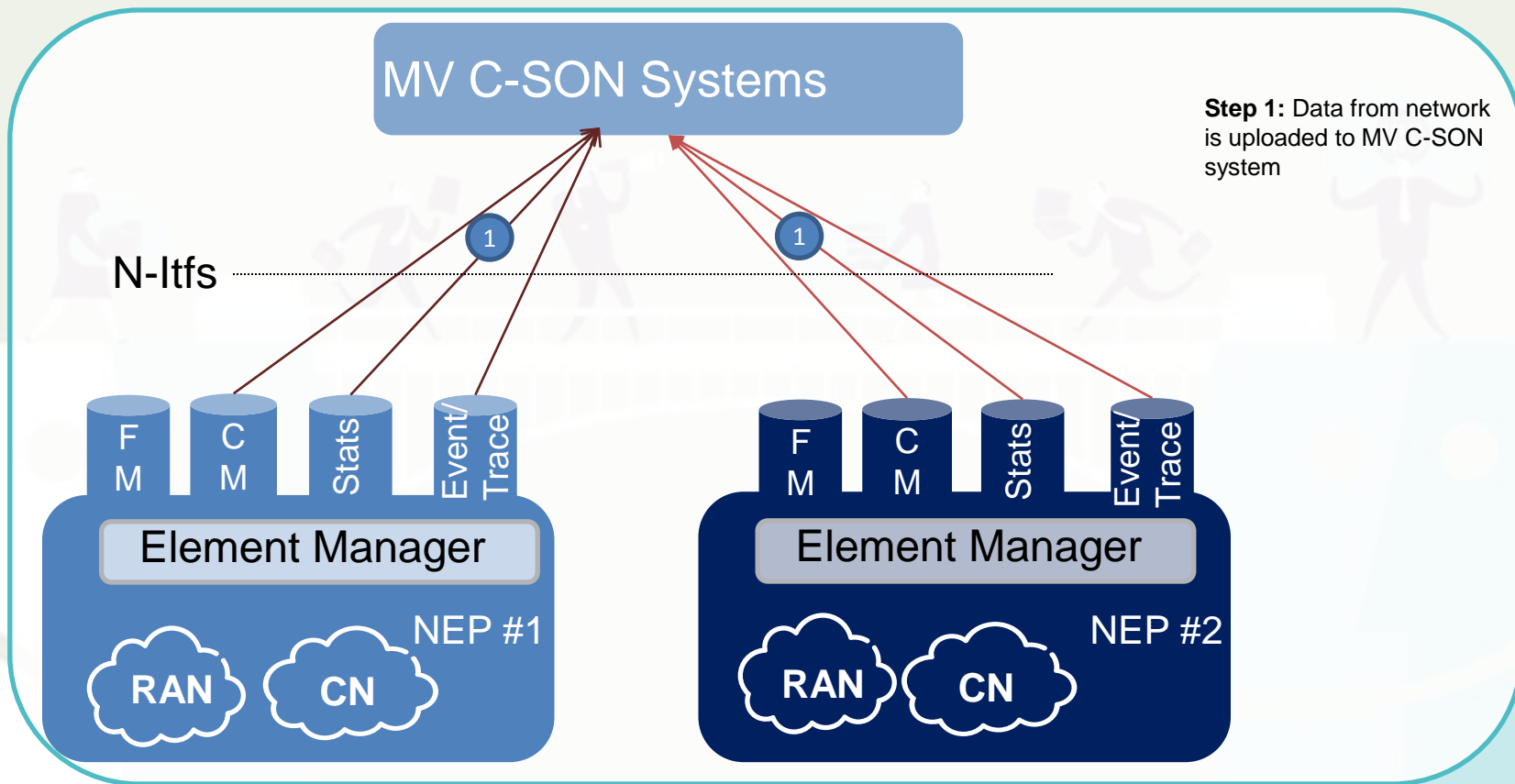
Scope of OSSii



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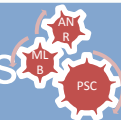


Example: SON and OSSii



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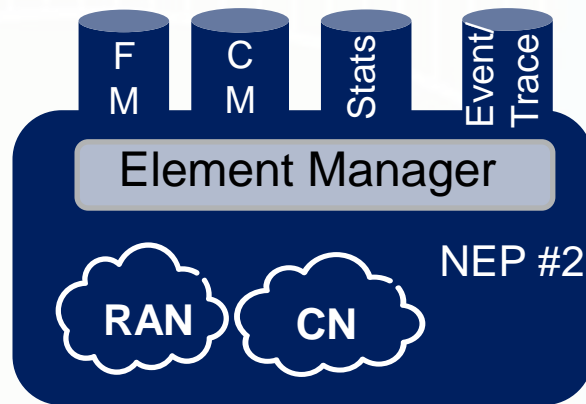
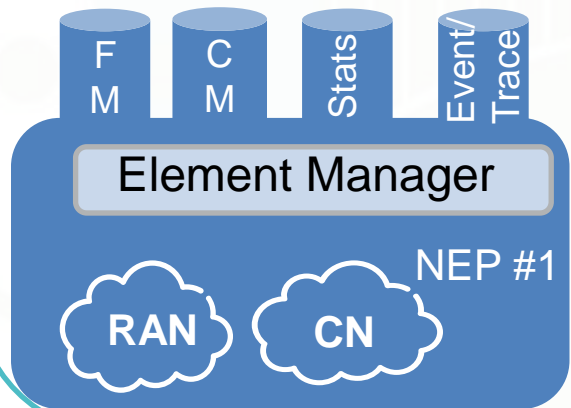
MV C-SON Systems



2

Step 2 Data is processed by C-SON algorithm

N-Itfs



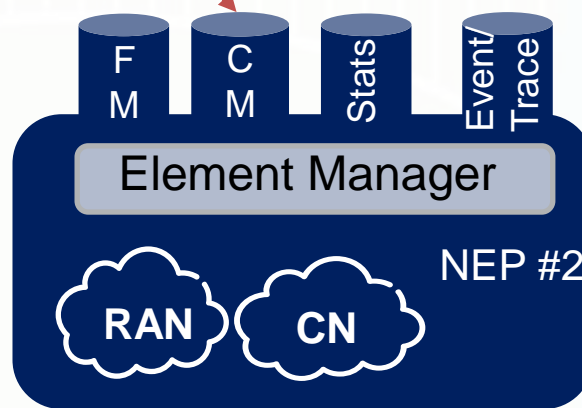
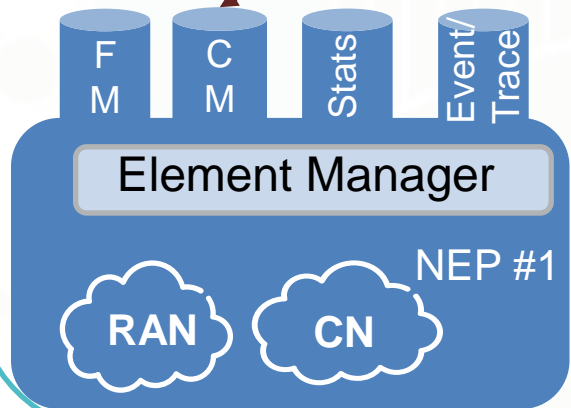
Example: SON and OSSii

MV C-SON Systems

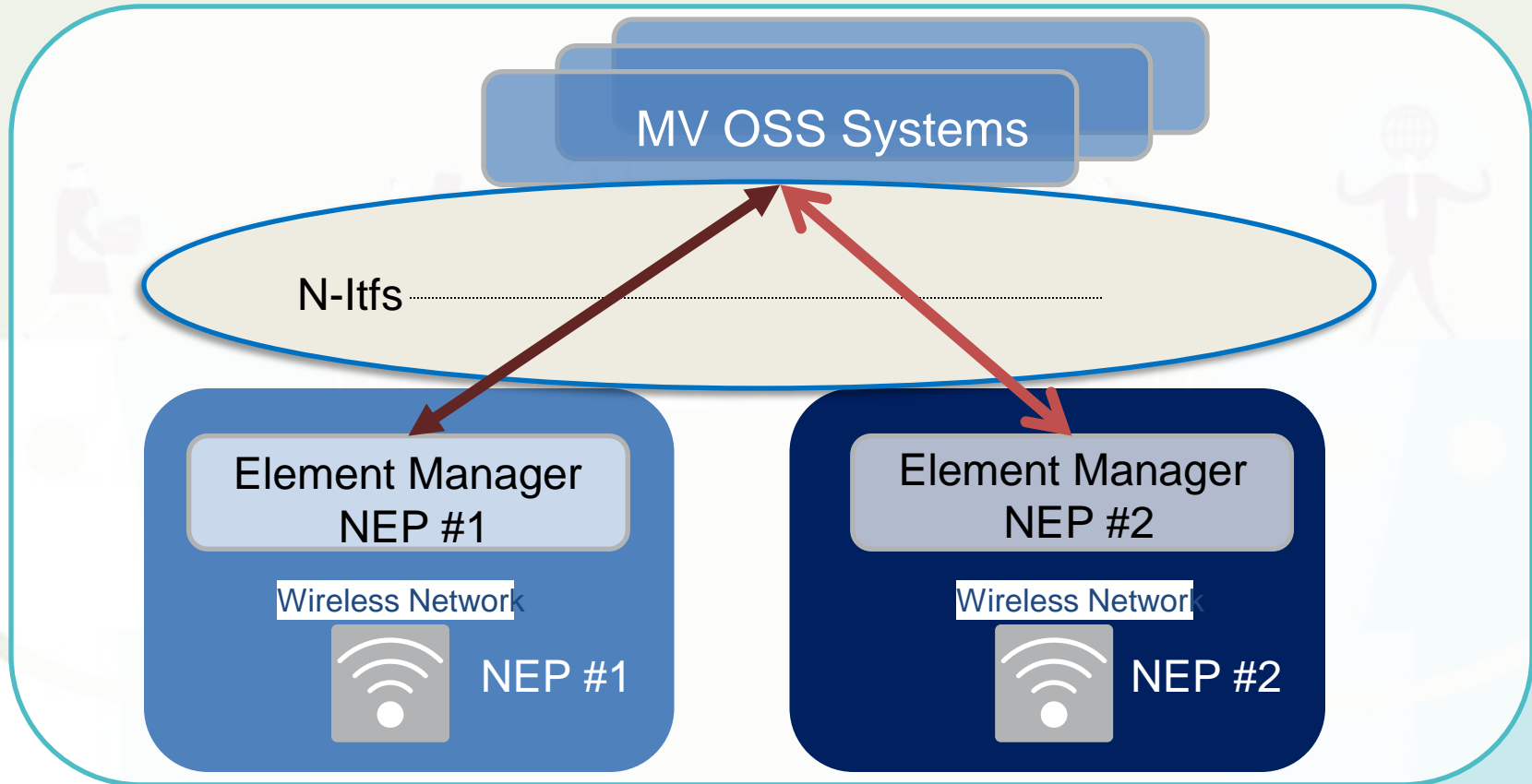
Step 3: Configuration changes are pushed back to the network

N-Itfs

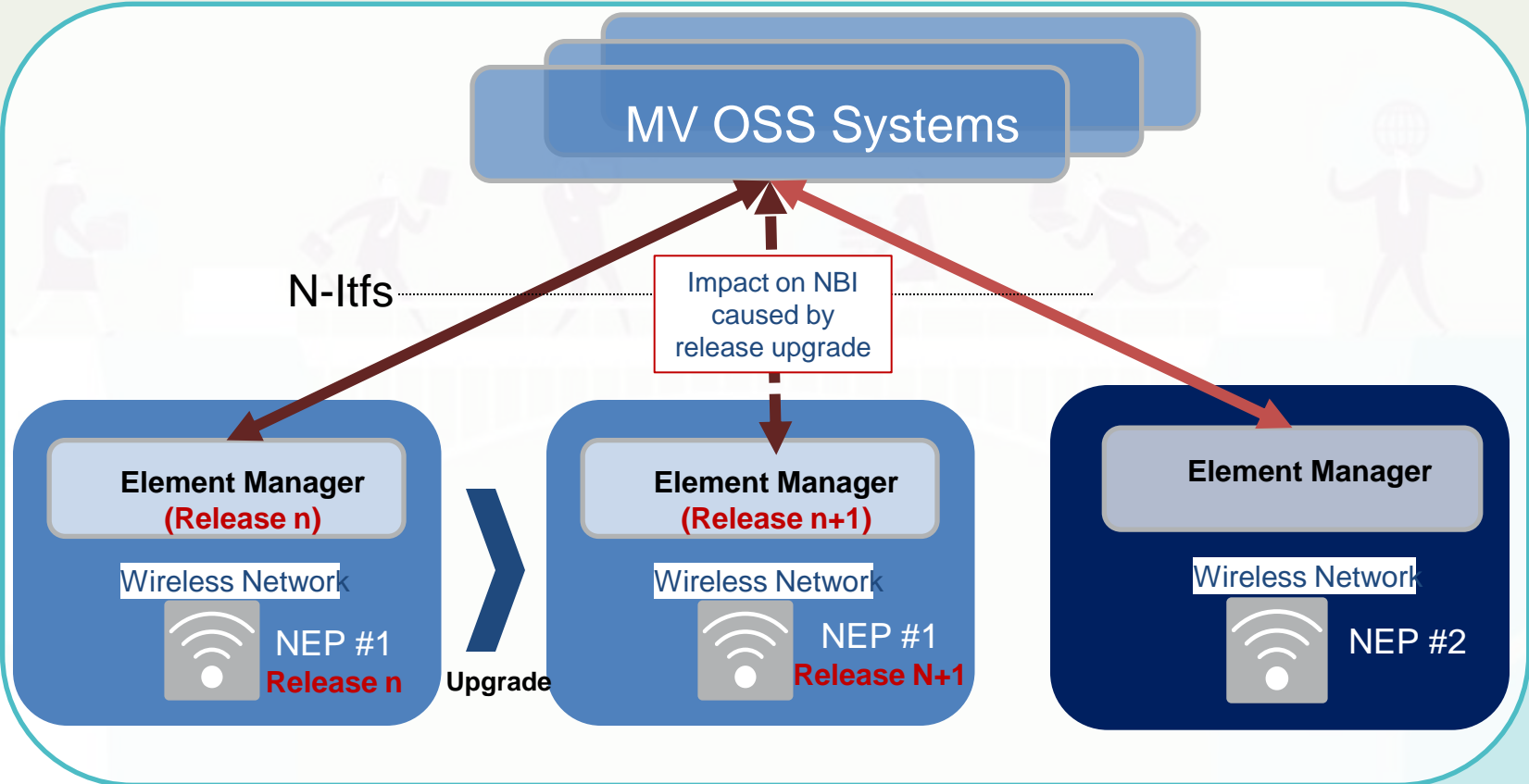
3



Challenge - Cost of interoperability



Challenge - Upgrades



OSSii is complementary to standards

OSS Northbound
Interface specification

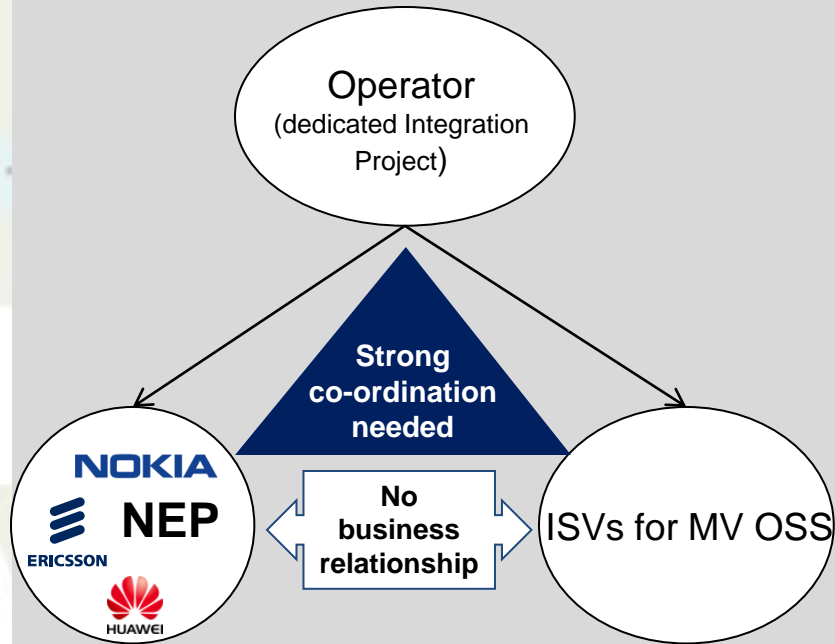
Proprietary
elements

Standardised

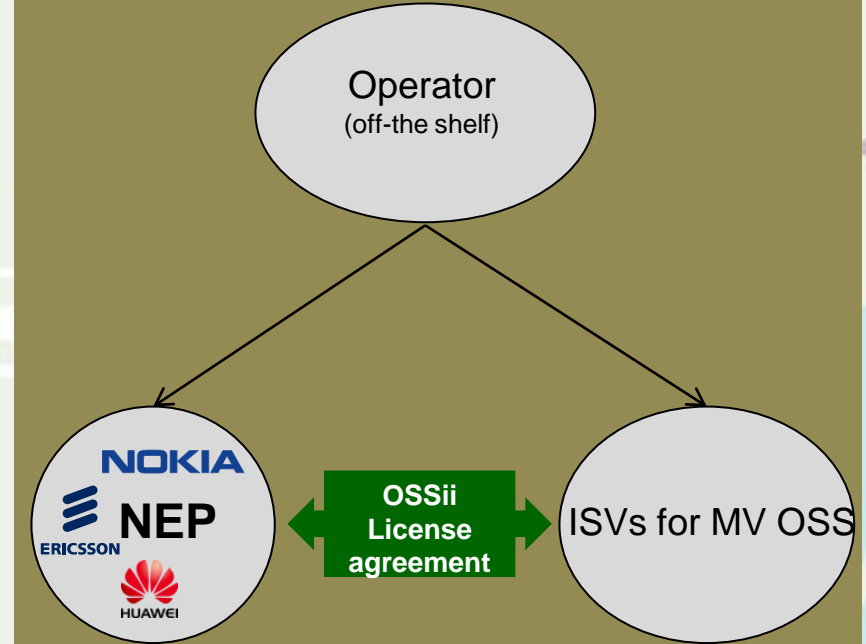
- Shared specifications under OSSii include proprietary elements
- Shared documents include, in addition to specifications
 - Sample files
 - Roadmap
 - Compatibility plan
 - Testing possibility

OSSii - New collaboration model

Without OSSii:



With OSSii:



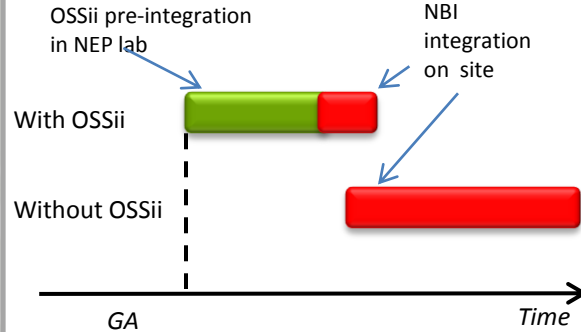
Advantages for Operators

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.

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

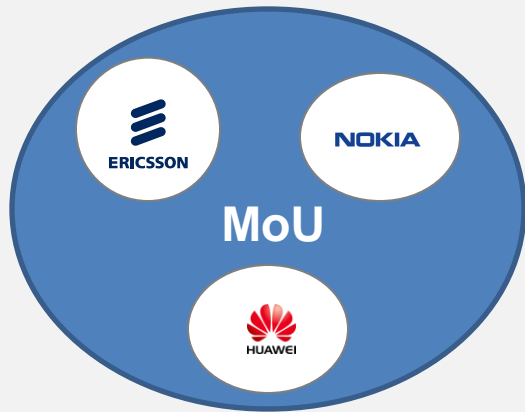
From project to product



- Sound framework to replicate NBI integration in mass.

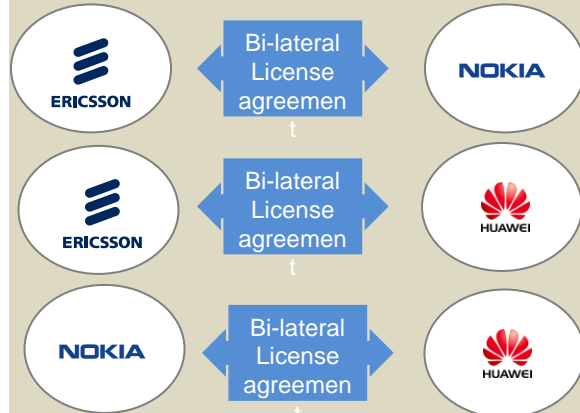
OSSii progress

2013



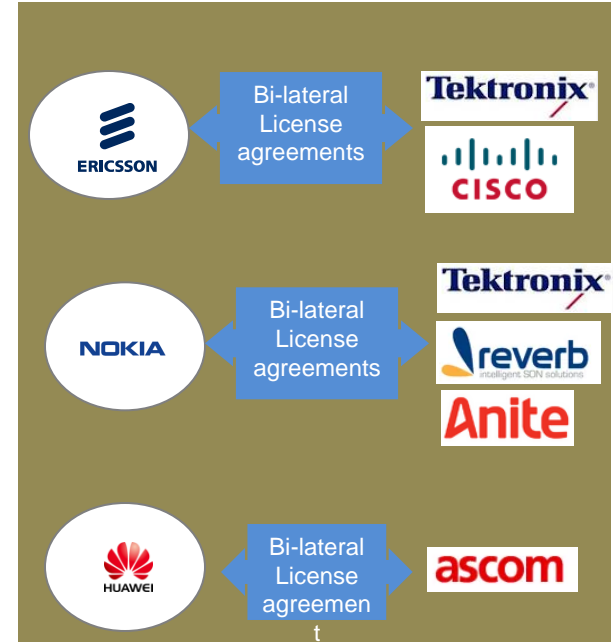
- Initiating parties signed a Memorandum of Understanding
- MoU is publically available at www.ossii.net

2014



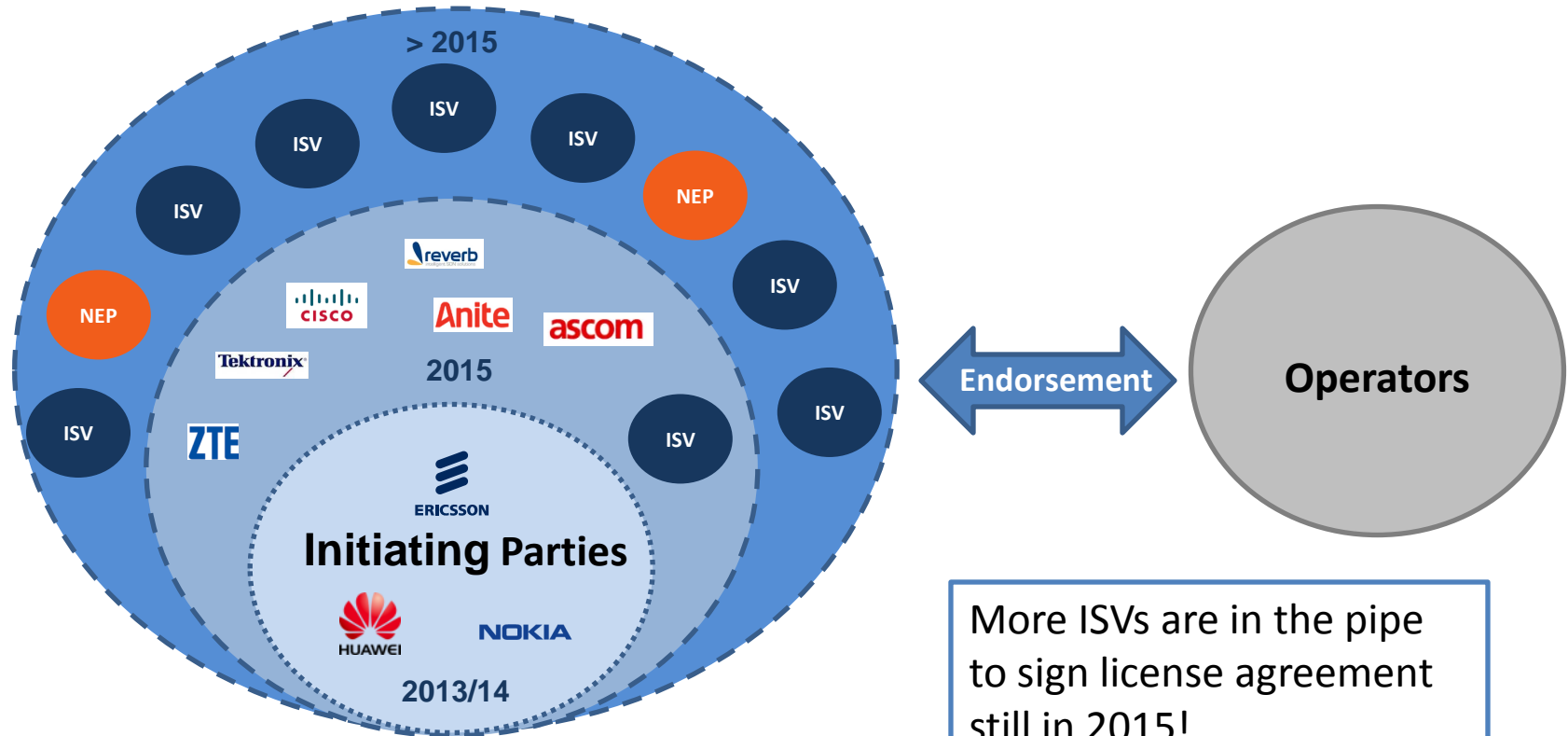
- Initiating parties signed bilateral cross license agreements
- Interoperability tests are started

2015



- First ISVs are signing license agreements using OSSii framework with different NEPs respectively

OSSii Progress and Growth of the ecosystem



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

Thanks for your attention!



www.ossii.net

