

## 1<sup>st</sup> SSN Technical Working Group (WGT1)

### Introducing 'Sender' & 'From' attributes into SSN

SSN/WGT/01/04

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# Assumption 1

**Security enforcements in SafeSeaNet require that every user must be authenticated**

## Assumption 2

**The authentication ensures that data access is granted only to those whose identification is documented**

## Assumption 3

SafeSeaNet define the user as a  
Member State's authority  
located at a given location code  
and playing a single SSN role  
(POR, CST, PSC, NCA, etc...).

## In SafeSeaNet...

- ✓ All users must be identified
- ✓ All messages exchanged within the system must clearly indicate who is the generator
- ✓ “From” attribute define the message originator, hence the responsible Authority that generate the message

## !! WARNING !!

Today in most cases the *'From'* attribute refers to the authority that dispatches the XML message to the SSN-EIS and not the actual originator.

## ...to introduce a new attribute...

**From** can be used still as the identifier of the message's originator, hence the one which '*creates*' the information, while

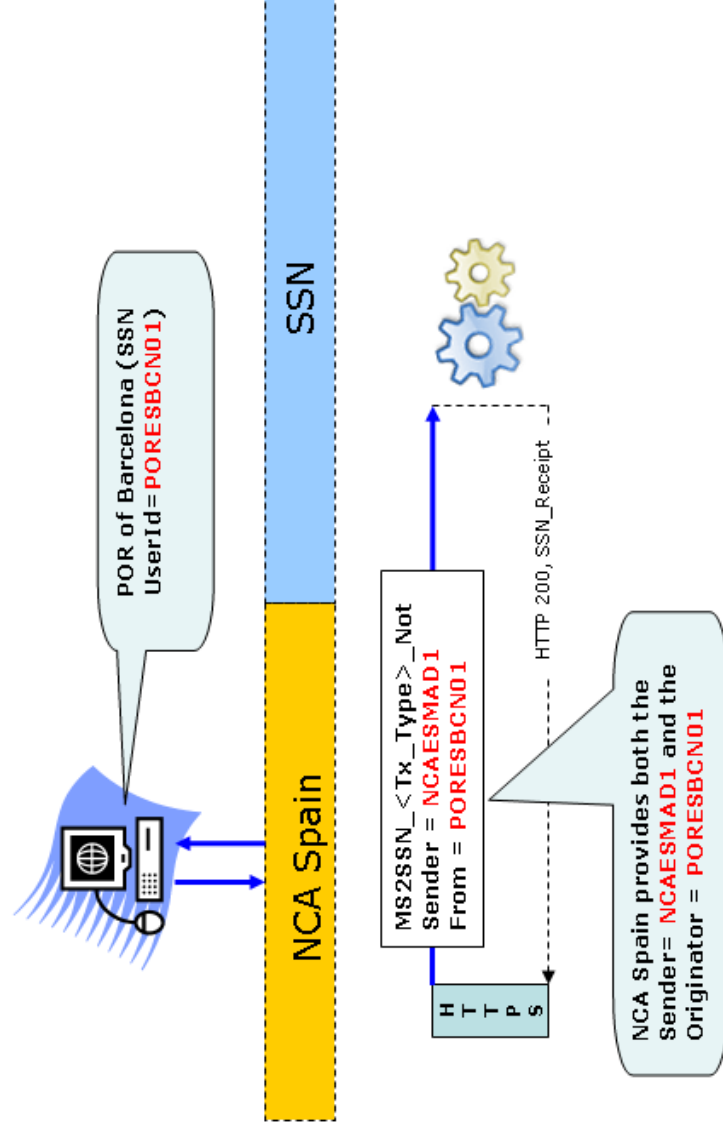
**Sender** should be used as the identifier of the message's dispatcher, hence the one which '*provides*' the information to the SSN-EIS

**Distinguishing the two will enable to**

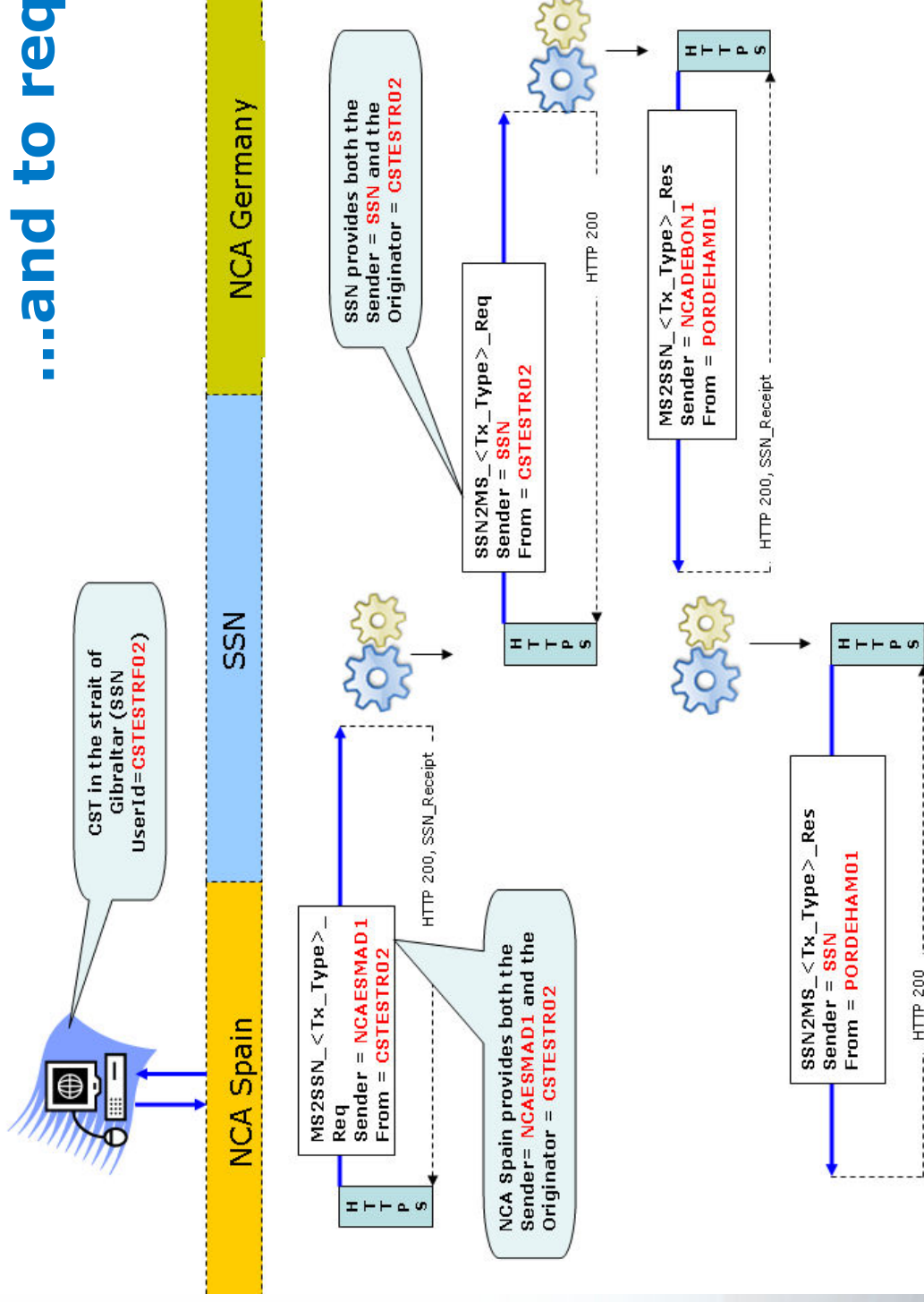
- 1. identify and authenticate the message generator and**
- 2. guarantee that the access of the data is granted to an authorised body**



## To notify SSN...



## ....and to request



## XML message's specifications

In the Header section the new attribute **Sender** is introduced to define the dispatcher

Item	Occ	Type	Len	Description
<b>Header</b>	<b>1</b>			<b>Header Node</b>
<b>Sender</b>	<b>1</b>	Text	3-15	The name of the <b>dispatcher of the message (as defined in SafeSeaNet)</b> .
<b>Body</b>	<b>1</b>			<b>Body node</b>
<b>OriginatorDetails</b>	<b>1</b>			<b>OriginatorDetails attribute node</b>
<b>From</b>	<b>1</b>	Text	3-15	The name of the <b>originator of the message (as defined in SafeSeaNet)</b> .

The **From** attribute (originator of the message: request, notification or response) is moved under the Body of the message

## **Member States should upgrade their system:**

- To incorporate the *From* attribute in the *Body* node, and
- To substitute the current *From* with the *Sender* within the *Header* node.

## **SSN-EIS requires several upgrades**

### **XML Interface:**

- **upgrade the system to process the *Sender* attribute in addition to *From* that moves under the Body node**
- **a double validation should be required, one for each attribute**

## Phased implementation

Ideally, the proposal should be applicable to both existing and new messages since aiming technical as well as operational enhancements. However, should Member States decide differently, the implementation could follow a two-phases approach:

1<sup>st</sup> phase – initially implement the new attribute only for the PSC related messages, (e.g. 3days or 24h pre-arrival, arrival, departure notifications), then

2<sup>nd</sup> phase – to implement the new attribute for the rest of the existing messages

# Thank you for you kind attention

## ¿ Any Question ?