



**SMART SERVICES INTERNATIONAL SAGL**

Via Cantonale 18 – Tecnopolo Ticino  
CH-6928 Manno  
Switzerland

## **ssiSMSIP Driver**

Software installation and configuration manual.

Ver: 1.0.3

Date: October 2<sup>st</sup> 2020

Author: S. Strapparava



## History

Filename: ssiSMSIP_v1.0.3.odt			
Rev.	Date	Author	Description
1.0	11.09.2020	S. Strapparava	First draft
1.0.3	02.10.020	S. Strapparava	1.0.3



## **Index**

History.....	2
Index.....	3
Confidentiality Notice.....	4
1 . Introduction.....	5
Requirements.....	5
Module.....	5
Compatibility.....	5
2 . License.....	6
3 . Installing the software.....	7
Installing the driver on your PC.....	7
Installing the driver into the JACE/HAWK unit.....	8
4 . Driver configuration.....	9
Installing the SmsTcpService.....	9
Configuring the Network Parameters.....	9
Install and configuring the SmsRecipient.....	10
Add Users in SmsRecipient.....	11
Configure SmsSender.....	12



**SMART SERVICES INTERNATIONAL SAGL**

Via Cantonale 18 – Tecnopolo Ticino  
CH-6928 Manno  
Switzerland

## **Confidentiality Notice**

The information contained in this document is confidential information of Smart Services International Sagl (“SSI”).

Such information and the software described herein, is furnished under license agreement and may be used only in accordance with that agreement.

The information contained in this document is provided solely for use by SSI employees, licenses and system owners. Contents of this document are not to be released to or reproduced for anyone else.

While every effort has been made to assure the accuracy of this document, SSI is not responsible for damages of any kind, including without limitation consequential damages, arising from the application of the information contained herein. Information and specifications published here current as of the date to this publication and are subject to change without notice.

This document may be copied by parties who are authorised to distribute SSI products in connection with distribution of those products, subject to the contracts that authorize such distribution. It may not otherwise, in whole or in part, be copied, photocopied, reproduced, translated or reduced to any electronic medium or machine-readable form without prior written consent from SSI.



## 1. Introduction

### Requirements

- Niagara 4.x ( $\geq 4.4$ )
- A license to use the ssiSMSIP driver. Other device limit or proxy-point limits may apply to your license. For license details and options, see the SSI-DR-SMSIP price list.

### Module

The SSI-DR-SMSIP Driver is contained in two files:

- `ssiSMSIP-rt.jar`
- `ssiSMSIP-wb.jar`

### Compatibility

#### Platforms

The SSI-DR-SMSIP driver runs on Niagara 4.x ( $\geq 4.4$ ) platforms.

#### Tested versions

Niagara 4.7.x



# SMART SERVICES INTERNATIONAL SAGL

Via Cantonale 18 – Tecnopolo Ticino  
CH-6928 Manno  
Switzerland

## 2. License

The `device.limit` number in your license, is referred to **registered and enabled** Mobile Phone numbers (User defined in `SMSRecipient`).

i.e.:

If your license has a `device.limit` of 5, you can register 5 (or more) different phone numbers in your station's database, but only 5 could be enabled simultaneously.

The same phone number can be registered many times (in different `SMSRecipient`), consuming only one license slot.

### 3. Installing the software

Installing the ssiSMSIP driver is simple.

It requires a basic knowledge of the Tridium Niagara 4 and execute a few steps as described hereafter.

The driver, a Java “.jar” executable file, is usually shipped in a zip file.

Its name is generated according to the following structure:

**ssiSMSIP-rt\_<version number>** ( i.e. ssiSMSIP-rt\_v1.0.3)

**ssiSMSIP-wb\_<version number>** ( i.e. ssiSMSIP-wb\_v1.0.3)

The number of the version characterises the features included in the driver and may vary from time to time.

An additional text file is normally added to the zip file, in order to explain the main features of the release.

Its name may appear as follow:

**Note on SwVer <version number>** ( i.e. Note on SwVer 1.0.3)

### Installing the driver on your PC

The following procedures describe how to set-up the driver.

Step 1	First of all unzip the files which contains the driver and technical notes.
Step 2	Rename the files, changing theirs name into <b>ssiSMSIP-rt</b> and <b>ssiSMSIP-wb</b> Extension <b>.jar</b> should remain as well.
Step 3	Copy the two <b>jar</b> files into the <b>modules</b> directory of your Niagara <b>Work Bench</b> .
Step 4	Restart your <b>Work Bench</b> .
Step 5	After restarting, the file should appears in the list of available software, which can be shown clicking on the <b>Software Manager</b> section of the <b>Platform</b> of your <b>Work Bench</b> .



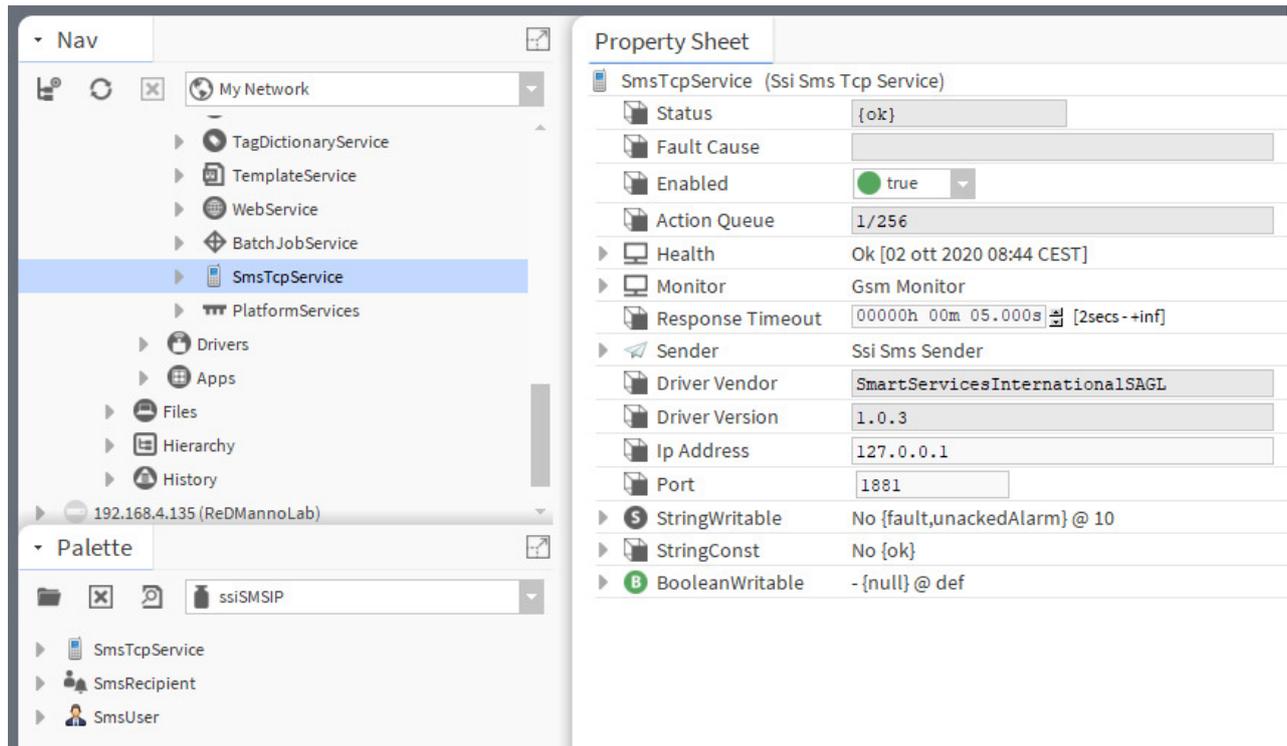
### **Installing the driver into the JACE/HAWK unit**

Step 1	Through the <b>Work Bench</b> get connected to a JACE/HAWK running unit.
Step 2	Transfer the <b>ssiSMSIP</b> module into the unit under the folder <b>modules</b> .
Step 3	<p>This can be done by activating the standard Tridium procedure for software upgrading or simply copying the <b>jar</b> files by the <b>File Transfer Client</b> procedure, available under the list of the <b>Platform</b> options in your <b>Work Bench</b>.</p> <p>Destination directory inside the Jace8000 is: <b>/opt/niagara/modules</b></p> <p>For further details on how to transfer files from <b>Work Bench</b> to JACE/HAWK units, refer to the official Tridium documentation.</p>
Step 4	After copying the driver into the JACE/HAWK unit, force a reboot.

## 4. Driver configuration

### Installing the SmsTcpService

The first step of the driver configuration is the installation of the **SmsTcpService** under the station running in the JACE/HAWK unit.



A simple way to complete this task is to open the **Palette** named **ssiSMSIP** (see figure below), select the **SmsTcpService** component and drag and drop it under the **Services** folder of the running station.

This component is a network-level component in the Niagara architecture. It provides the main configuration properties necessary to allow the driver to communicate with the MC100 Gateway.

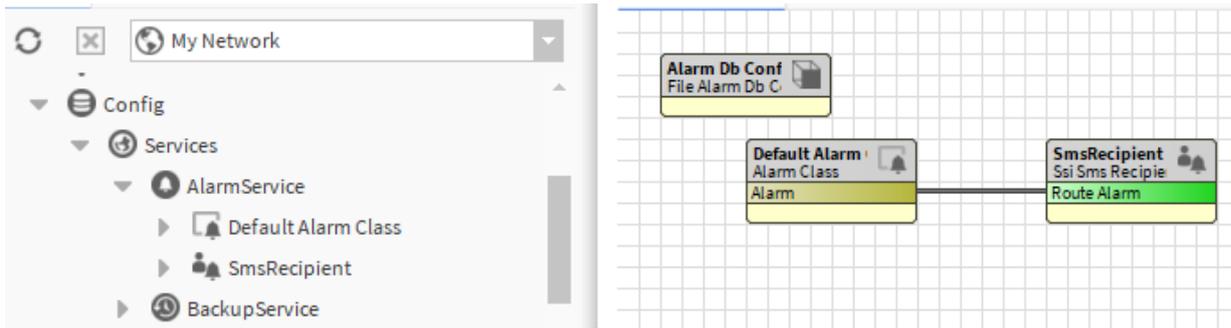
### Configuring the Network Parameters

To proceed with this task, right click on the **SmsTcpService** (just dragged to station Services) and open its **Property Sheet**.

Set the “**Port**” parameter to **1881** and the “**IP Address**” accordingly to MC100’s IP address.

## Install and configuring the SmsRecipient

Select the **SmsRecipient** component in the palette and drag and drop it under the **Services** → **AlarmServices** folder of the running station.

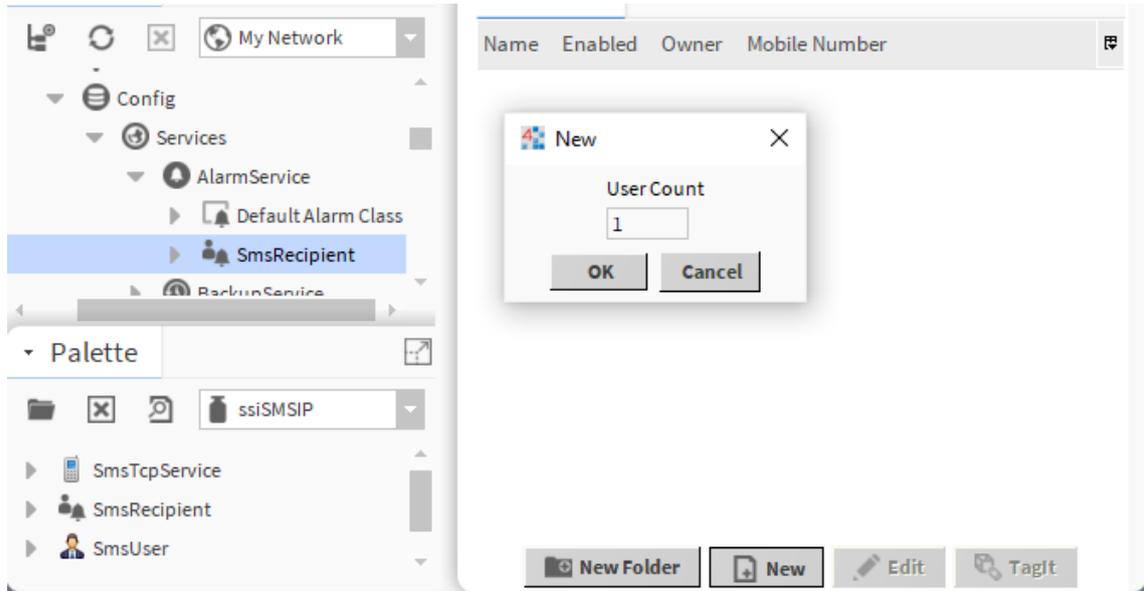


Open the **SmsRecipient** wire sheet and link it to **Default Alarm**.

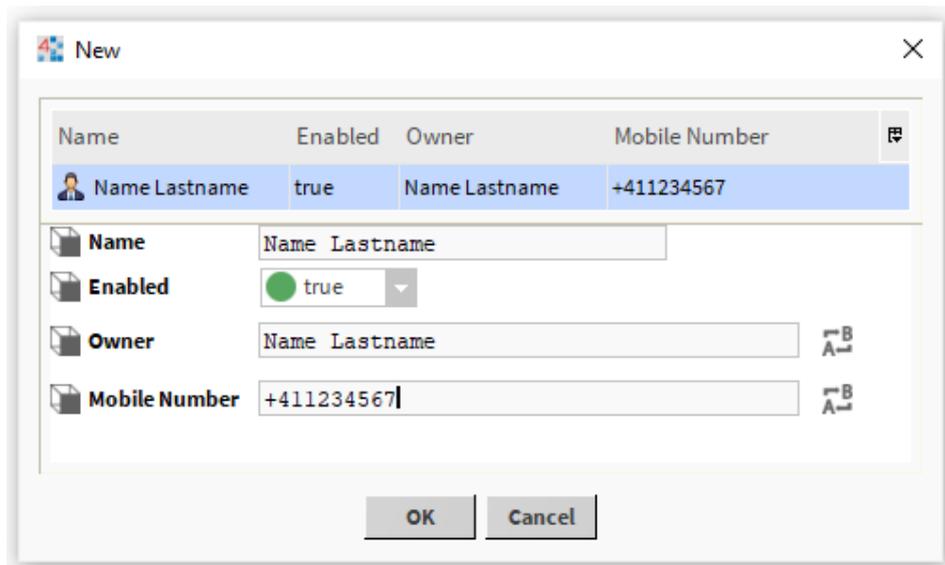
## Add Users in SmsRecipient

Double click on the **SmsRecipient** to access the Sms User Manager.

Click on **New** and choose how many users you want to add.



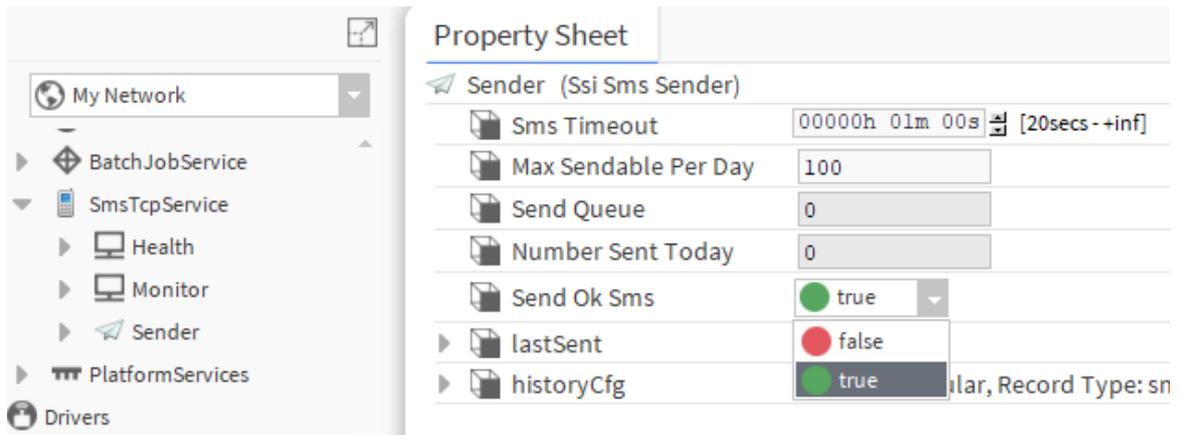
Add user details and save.



## Configure SmsSender

Go back to **SmsTcpService** and select the **Sender** sub-component.

If you want receive sms on **Alarm "to normal"** event, set **"Send Ok Sms"** to **true**, otherwise false.



The screenshot shows a configuration window with a tree view on the left and a 'Property Sheet' on the right. The tree view shows the following structure:

- My Network
  - BatchJobService
  - SmsTcpService
    - Health
    - Monitor
    - Sender
  - PlatformServices
- Drivers

The 'Property Sheet' for 'Sender (Ssi Sms Sender)' contains the following properties:

Property Name	Value
Sms Timeout	00000h 01m 00s [20secs - +inf]
Max Sendable Per Day	100
Send Queue	0
Number Sent Today	0
Send Ok Sms	<input checked="" type="radio"/> true
lastSent	<input type="radio"/> false
historyCfg	<input checked="" type="radio"/> true