

# ISITEP

## D6.4.3 - PPDR TERMINAL APPLICATIONS SOFTWARE

<b>Document Manager:</b>	Marco Carli	RM3	Editor
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<b>SP Leader:</b>	RM3		

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Approval Status	
<b>Prepared by:</b>	Massimo Cretaio, Federica Battisti, Marco Carli (RM3)
<b>Approved by (WP Leader):</b>	Marco Carli (RM3)
<b>Approved by (SP Leader):</b>	Dimitris Androutsopoulos (NETFI)
<b>Approved by (Coordinator):</b>	Paolo Di Michele (FNM)
<b>Security Approval (Advisory Board Coordinator):</b>	Etienne Lezaack (BFP)

## CONTRIBUTING PARTNERS

Name	Company / Organization	Role / Title
Federica Battisti	RM3	Reviewer
Marco Carli	RM3	Reviewer
Massimo Cretaio	RM3	Contributor

## DISTRIBUTION LIST

Name	Company / Organization	Role / Title
Claudia Olivieri, Federico Frosali	FNM	SP6 participant
Dimitris Androutsopoulos, George Mitsopoulos	NETFI	SP6 leader
Fabio Campoccia, Vincenzo Abbate	EXP	SP6 participant
All Company Project Managers	All involved companies	Members of the Steering Committee
Elina Manova	EC DG REA	EC Programme Officer
General Public	NA	NA

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## **Publishable extended abstract**

In this deliverable, the feature list and the details about the released software for the PPDR Terminal Applications are detailed.

## Abbreviations

For the purposes of the present document, the following abbreviations apply:

Acronym	Definition
DNF	Dynamic Functional Numbering
EME	Enhanced Message Exchange
HMI	Human Machine Interface
IF	Interface
LDA	Location Dependent Addressing
SDS	Short Data Service
TETRA	TErrestrial Trunked Radio

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## 1. Introduction

In this deliverable, the feature list and the details about the released software for the PPDR Terminal Applications are detailed.

## 2. Features list

### 2.1. Location Dependent Addressing

The implemented features of the LDA are compliant with the requirements defined in D6.4.2. They are listed in the following:

- The LDA App runs as a service on the mobile terminal
- The LDA App, through the PlatformIF, is able to receive notifications about the registration status, and the availability of the services of TETRA/TETRAPOL networks
- The LDA App can be in two possible state based on network availability
- The LDA App is able to receive a “LDA-SDS update number “ messages from LDA Server and communicate to TETRA/TETRAPOL App, through the CCmASMAPIF, to change group number.

### 2.2. Dynamic Functional Numbering

The implemented features of the DNF are compliant with the requirements defined in D6.4.2. They are listed in the following:

- The DNF App runs as a service on the mobile terminal
- The DNF App, through the PlatformIF, is able to receive notifications about the registration status, and the availability of the services of TETRA/TETRAPOL networks
- The DNF App can be in two possible state based on network availability
- The DNF App is able to communicate to TETRA/TETRAPOL App, through the CCmASMAPIF, to change group list.

### 2.3. Enhanced Message Exchange

The implemented features of the EME are compliant with the requirements defined in D6.4.2. They are listed in the following:

- The EME App runs as a service on the mobile terminal
- The EME App, through the PlatformIF, is able to receive notifications about the registration status, and the availability of the services of TETRA/TETRAPOL networks
- The EME App can be in two possible state based on network availability
- The EME App is able to exchange messages with the EME Server using SDS messages
- The EME App is able to exchange messages with the TETRA/TETRAPOL terminals using SDS messages.

- The EME App is able to communicate with SST through the SST IF .

### **3. Software availability**

The software releases have been uploaded in the EMDESK portal of the ISITEP project. The packages can be downloaded from the following link: <https://emdesk.eu/cms/?p=334>

### **4. References**

ISITEP D6.4.1 – PPDR terminal applications tests report

ISITEP D6.4.2 - PPDR terminal applications design description