



# Working Group: Nomadic Device Forum

## Terms of Reference

Version: v3 third draft prepared by ICCS, VTEC, EC and ERTICO  
Editors: EC, ACEA, ERTICO, ICCS, VTEC, MEDION  
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### **1 Background**

The use of “Nomadic Devices” (or NDs), or portable and aftermarket devices used in the vehicle by a driver for support, assistance, communication or entertainment, is increasingly common. As in-car use of mobile phones, handheld computers, portable navigators and personal music players grows rapidly, there are concerns that this should not lead to driver distraction and increased safety risk. The lack of standards for device “docking” in the vehicle, and for safe installation and use, imply added costs, inconvenience and perhaps risks for the user.

To address these challenges a Nomadic Device Forum (NDF) was established by the AIDE integrated project (6<sup>th</sup> FP, *e*Safety Strategic Objective, co funded by EC) to bring together representatives of the key stakeholders involved. During the last three years the Forum has organized a number of workshops and meetings to discuss important issues around nomadic devices and their use within the vehicle, addressing the most important use cases, the potential requirements for and main characteristics of a common “Nomadic Device Gateway”, related business aspects and HMI issues including the awareness and take-up of the European Statement of Principles on In-vehicle HMI, the “ESoP”.

The attendees at the most recent workshop of the AIDE NDF (Brussels, 24 October 2007), agreed on the need for the Nomadic Device Forum to continue following the end of the AIDE project, perhaps as a working group of the *e*Safety Forum. This proposal was accepted by the *e*Safety Forum Steering Group. This document thus constitutes the Terms of Reference for the continuation of the Nomadic Device Forum as an *e*Safety Forum working group.

## **2 Aim and Objectives**

The Nomadic Device Forum constitutes a multi-sector working group aiming at:

- Safe, effective and user-friendly nomadic device integration and use in vehicles.
- New business opportunities related to the in-vehicle use of nomadic devices

To achieve these objectives, the Forum will:

- Act as a European consensus platform to reach cross-sector agreement on issues relating to nomadic device safety, technical harmonisation, in-vehicle integration and their safe use
- Act as a bridge between the research projects on nomadic device issues and also between Europe and the rest of the world
- Provide advice to the EC on nomadic device issues
- Identify requirements for new work items, handled e.g. by of sub-working groups of the Forum, research initiatives, standardisation bodies etc.

## **3 Work items**

The main work items identified up to now are:

- Establishing and promoting a MoU on implementation of the European Statement of Principles (ESoP) on human machine interface for safe and efficient in-vehicle information and communication systems.
- Promoting the creation of commonly accepted gateways for in-vehicle integration of nomadic devices, in terms of mechanical mounting, electrical connection and device-vehicle information exchange.
- Identifying business opportunities specifically in the areas of public-private services (e.g. eCall, speed advice, traffic information, cooperative systems).

As mentioned above, the Forum may identify new work items.

## **4 Organisation**

The Nomadic Device Forum will continue its operation as a Working Group under the umbrella of the *eSafety* Forum. It will be chaired by:

Wolfgang Reinhardt, ACEA (Forum Chair, Vehicle manufacturers' association)  
Mark Jendzrok, Medion (Forum co-chair, ND Manufacturer)

The chairmen will be supported by an Organizing Committee, which currently consists of the following organizations:

Angelos Amditis, ICCS  
Peter Christ, ERTICO  
Wolfgang Hoefs, EC DG INFSO

Gustav Markkula, VTEC

The chairmen are also members of the Organizing Committee. Any interested party may apply to become a member of the Organizing Committee.

The Organizing Committee will be responsible for organizing plenary meetings and working sessions of sub-working groups of the Forum. In between meetings, the Forum and its sub-working groups will use web tools and other means of collaboration. The Organizing Committee is responsible for continuous reporting on activities and results to the eSafety Forum, and reporting should be done at least annually.

## 5 Membership

Membership in the eSafety Working Group: Nomadic Device Forum is open to any interested organization that wants to actively support the Forum's activities. The Forum especially welcomes representatives of stakeholders concerned with in-vehicle use of nomadic devices, such as:

- Vehicle manufacturers
- Portable navigation system manufacturers
- Pocket PC/PDA manufacturers
- Automotive suppliers
- Navigation map suppliers
- Mobile telecom operators
- Service providers
- Public authorities
- Research organisations & academic bodies
- Associations related to the field

Interested parties will apply to the Organizing Committee for membership in the Forum. Members are expected to regularly take on responsibility for tasks such as contributing to sub-working group activities, preparation of reports etc.

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## 6 Annex I: Nomadic Device Forum 2008-2009 Activities

- Promotion of the Forum to attract members from all stakeholders.
- Creation of a Memorandum of Understanding (MoU).
- Promotion of the uptake and application of the ESoP by relevant stakeholders.
- Discuss and identify business opportunities in the areas of public-private services (e.g. eCall, speed advice, traffic information).
- Organization of a first Plenary meeting on April 10, and then at least one more Plenary meeting during 2008.
- Organization of dedicated sub-work groups and their meetings.
- Establishing contact with the CE4A working group to get their input on nomadic gateway issues.
- Liaison with current and new research projects related to NDs (e.g. FESTA, TELEFOT, etc.), e.g. by organization of common workshops.

## 7 Annex II: Currently existing sub-working groups

The following Sub-working groups exist at present and are expected to continue work.

- Nomadic Device Safety and ESoP
  - For nomadic devices/applications in use, make expert assessment of likely risks related to driver use and device installation
  - Agree principles and propose harmonised guidance for safe use and installation of nomadic devices
  - Make recommendations for action by all responsible organisations to implement guidelines
  - Promote ESoP and its wide uptake of all stakeholders.
  - Propose updates of ESoP if needed.
- Business Opportunities
  - Discuss and identify business opportunities in the areas of public-private services (e.g. eCall, speed advice, traffic information)
  - Discuss and identify other business opportunities where a cooperation between OEMs and ND manufacturers is needed
  - Identify legal, and organisation issues and propose solutions
- Nomadic Device Gateway
  - Compile and agree scenarios and use cases for nomadic device-vehicle cooperation (installation, interaction, integration)
  - Identify functional and system requirements
  - Define system architecture for a nomadic device-vehicle solution
  - Outline specifications for a “smart” vehicle-device gateway (including intermediate gateway for information management), including physical, data, functional and application interfaces
  - Standardisation efforts, best practices, guidelines.