

nP2M – necessary basis for essential applications

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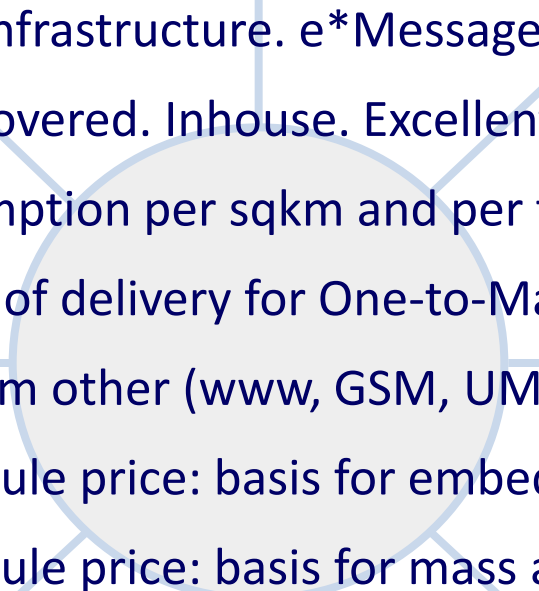
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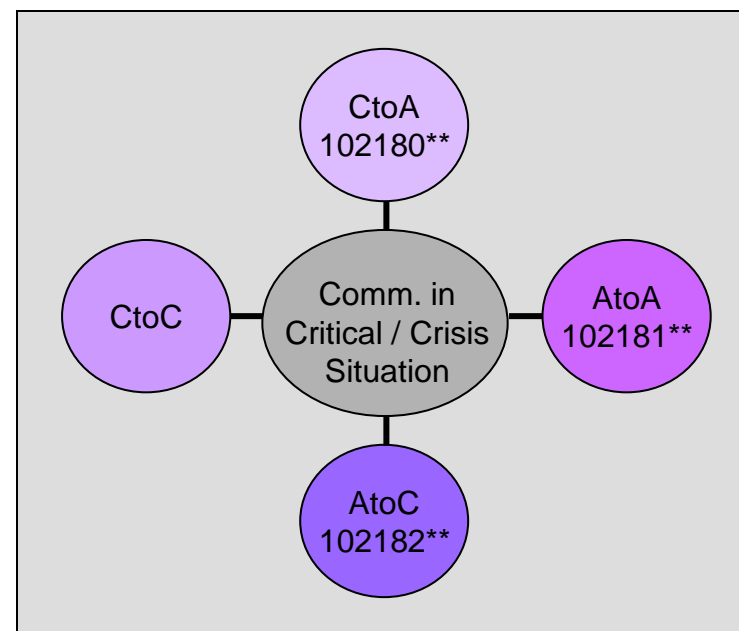
nP2M - narrow band Point to Multipoint

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- Countrywide wireless infrastructure. e*Message: France and Germany.
 - More than 98% POPs covered. Inhouse. Excellent coverage.
 - Very low power consumption per sqkm and per terminal.
 - Guaranteed short time of delivery for One-to-Many (up to tens of millions).
 - Highly independent from other (www, GSM, UMTS, LTE) infrastructures.
 - Very low interface module price: basis for embedded solutions.
 - Very low interface module price: basis for mass applications.

nP2M - in line with state of the art standardization


- ETSI Emergency Telecommunications (EmTel)

- ETSI new WorkItem nP2M



** ETSI EMTel TS 102 18x

nP2M - essential applications

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1. General Citizen Information
 2. Helping to Control and Reduce Energy Consumption, Primarily in Households
 3. Social Alarm
 1. Warning System with Widespread Availability
 2. Education
 3. Industry
 4. First Responder Alerting
 5. Cognitive pilot channel for radio equipment

Effected 500 million Europeans. Market size around 110 million.

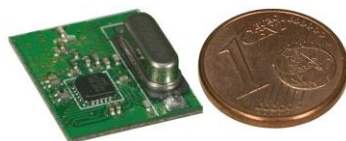
nP2M - important messages

Savings (e.g. in new energy applications) should be higher than spendings to achieve these savings.

After energy black out to avoid (at least some parts of) IP Black Out.

nP2M is a robust, reliable and disruptive technology.

nP2M - applications (examples)



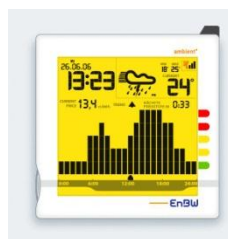
Less than 3 €. to be embedded.



Alerting of population (dual use).



Control energy consumers.



Hourly dynamic energy price.



Control new energy producers.



For 2 million households inner last 2 years.

From Bits to Data, from Pipes to Clouds

The network as an asset for convergence of Telecoms, IT and Media into an Internet of Knowledge



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Thank you.

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www.emessage.de, <http://www.emessage.eu/article-750-ewip.html>

We are happy to discuss a lot of interesting points.

Please, visit us.