

VIPER TME

The world's first TETRA pager



VIPER TME

Background info Oelmann Elektronik

- ✓ Experience for nearly 40 years in the paging and security market
- ✓ Longterm partnership to **MOTOROLA**, EADS
- ✓ Exclusive manufacturer and developer of the **MOTOROLA** european pager series
- ✓ **MOTOROLA** TETRA application partner
- ✓ **ACCESSNET-T** application partner of Rohde & Schwarz
- ✓ NDA with SEPURA
- ✓ German company with development and production in Germany
- ✓ Certified quality management system DIN EN ISO 9001:2000



VIPER TME

Overview

- ✓ Programmable frequency range 380-430 Mhz.
- ✓ Sensitivity directly comparable to portable radio
- ✓ Standard text SDS, concatenated SDS and status SDS supported
- ✓ Integrated acknowledgement (up to 10 different programmable)
- ✓ IP54 approved (!)
- ✓ Programmable RGB backlight for fast signalling of urgency
- ✓ Optional GPS-receiver integrated for location acknowledgement
- ✓ Over-the-air programmable
- ✓ Night-design of keypad (illuminated)
- ✓ Numerous audible alerts, synthetic and by use of integrated MP3-player
- ✓ 2-level programming (TETRA separated from user interface parameters)



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Active TETRA paging

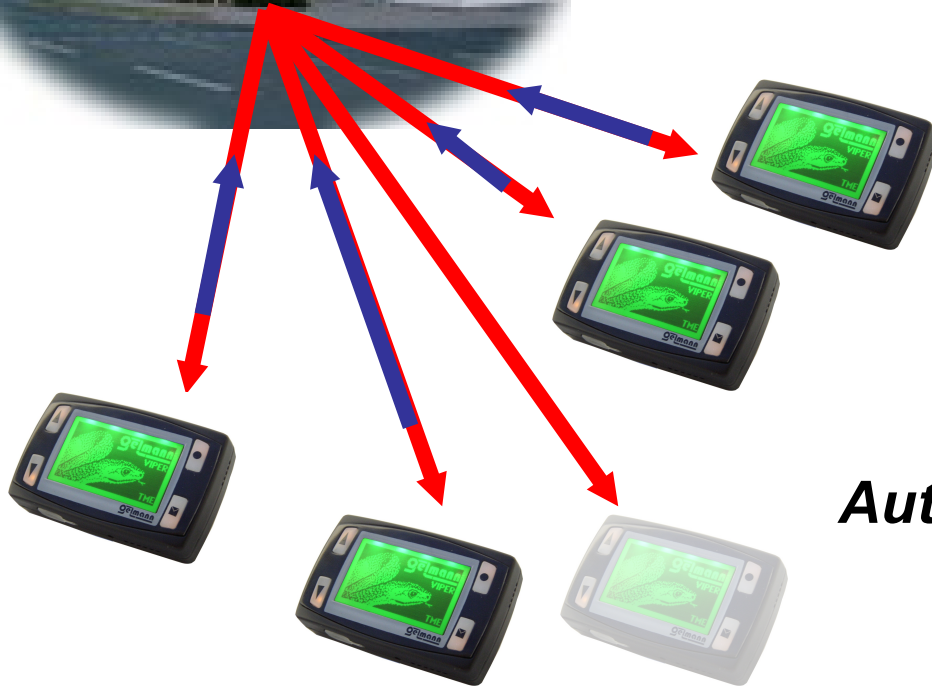


Emergency

Very short transmission time

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Active TETRA paging

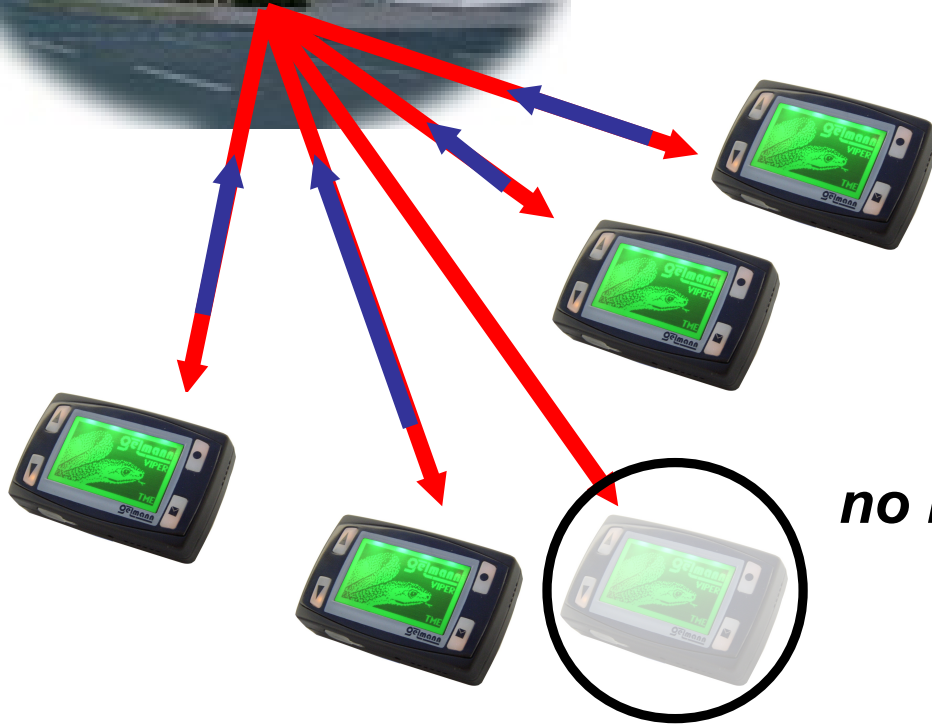


Acknowledgement

Automatic response

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Active TETRA paging

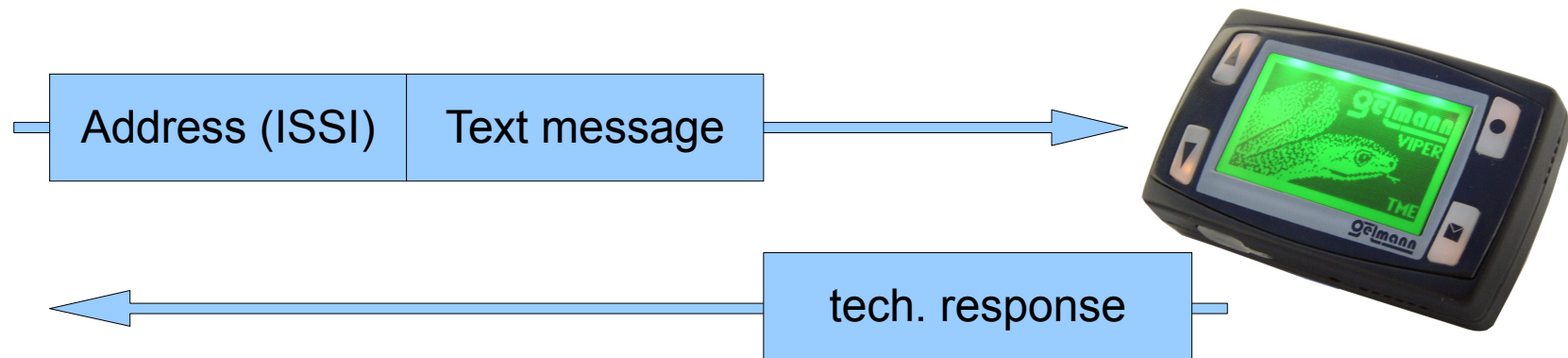


Availability-Check

no response = not available

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Paging with acknowledgement

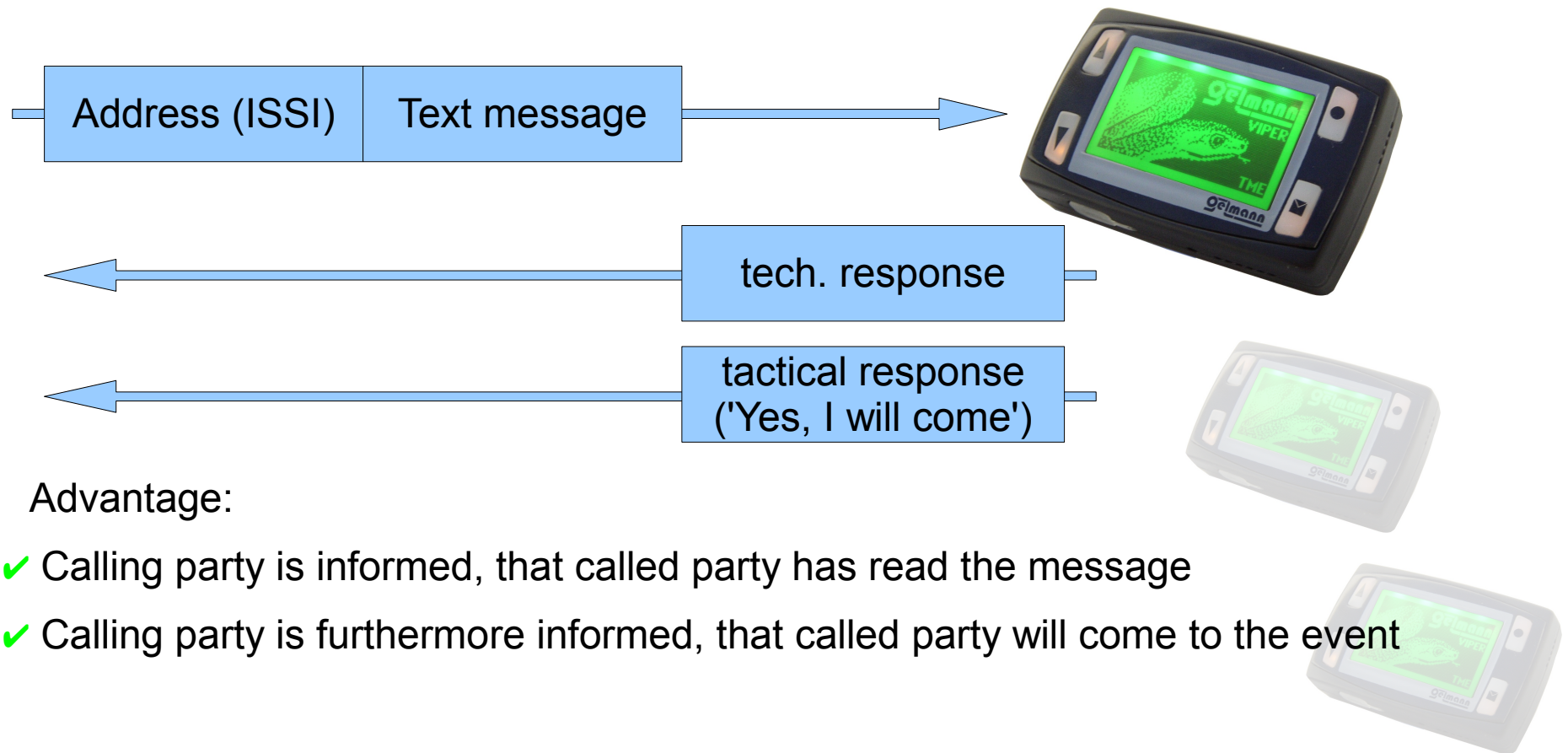


Advantage:

- ✓ Received message will be acknowledged automatically
- ✓ Calling party is informed about the delivery status of the message

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Paging with tactical response



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Pro's for paging using TETRA

- ✓ TETRA system includes the standardized wireless link back from the pager to the calling party, which is an essential and missing feature in other paging systems (POCSAG)
- ✓ Standardized SDS messages for paging prevent proprietary solutions
- ✓ Standardized encryption included
- ✓ Paging in TETRA is fast and highly reliable
- ✓ One network for voice and data communication



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Strong alerting and detailed information



- ✓ Alerting by audible alarm, strong vibration and excellent RGB-backlight
- ✓ **Non-volatile** memory for up to 40 messages with up to 1000 char. per message
- ✓ 256 fixed messages programmable for status SDS reception
- ✓ Automatic word break programmable
- ✓ Pin code & key lock to prevent unauthorized use of the pager

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User interface



- ✓ Programmable user interface ► from „simple“ to „expert“
- ✓ Power-on message or logo programmable
- ✓ Alerting loud, redundand, discrete and silent
- ✓ 16 programmable synthetic tones and vibration
- ✓ Highlight: customized sounds or voice prompts by use of MP3 files

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Unique night design



- ✓ Best readability during day light
- ✓ Unique readability and use at night time
- ✓ Key-pad in night design
- ✓ Power-RGB backlight with programmable colors

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Future-proof invest



- ✓ New firmware or functions easily flashable by standard programming kit
- ✓ As project-pager adaptable to custom wish list
- ✓ Spare parts available 10 years after purchase

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Synergy effects



- ✓ Most parts and all parts of the housing are used in parallel in Oelmann's POCSAG pager **VIPER LX8**
- ✓ Therefore ► same accessories like charger and programmer
- ✓ Nearly identical menu functions

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Comparison in size



POCSAG pager



TETRA Pager **VIPER TME**

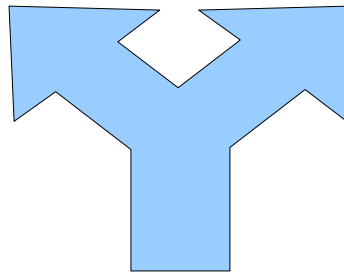
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2 level programming

Central station

Firebrigades / security forces

Pager
PPS



Withdrawal of the pagers

Programming TETRA system data (authorized body)

TETRA
CPS



TETRA paging

A continuously growing family



TETRA pager



Remote control via TETRA



The unique LED display for use in TETRA...