geonet/ITS BoF

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Email list: ietf.org/mailman/listinfo/its
Meeting material:
https://datatracker.ietf.org/meeting/88/materials.html#wg-geonet
IETF 88 in Vancouver, Canada
November 5th, 2013
Agenda

• Note well, agenda-bashing, blue sheets
• Introduction, Alex Petrescu (5 minutes)

• GeoNetworking Problem Statement, Georgios Karagiannis (20 minutes)
  – draft-karagiannis-problem-statement-geonetworking-01

• Implementation Interest at Componentality, Alex Petrescu/Konstantin Khait (5min)

• IPv6-over-802.11p, Alex Petrescu (5 minutes)
  – draft-petrescu-ipv6-over-80211p-00.txt

• Chartering discussion (20 minutes)
• Next steps (5 minutes)
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Introduction

• Internet-wide Geo-Networking is a location-aware solution that provides packet delivery using geographical coordinates for packet dissemination over the Internet
Existing solutions outside of IETF

• Geo-networking for ad hoc communication (not Internet-wide) among vehicles and between vehicles and road-side stations:
  ✓ Geographical addressing (geo-unicast, geo-broadcast, geo-anycast)
  ✓ Single-hop and multi-hop communication over IEEE 802.11p / ITS-G5 with media-specific extensions
  ✓ Advanced forwarding strategies
  ✓ Sub-IP protocol; IPv6 over geo-networking
• ETSI Technical committee ITS, supported by Car-2-Car Communication Consortium (C2C-CC)
• EN 302 636 standard series
• Implementations available, ETSI plug-tests, field trials