

Patent Information Form

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This form provides NENA Committees with information about the IPR status of techniques used in or proposed for incorporation in a *Deliverable* as that term is defined in the NENA Intellectual Property Rights ("IPR") Policy, available at www.nena.org/ipr. Anyone with knowledge of any granted or pending patents affecting the use of NENA *Deliverables*, of their own or of any other entity ("third parties"), is strongly encouraged to submit this form as well.

This information will be maintained in an "IPR List" during the progress of work by a NENA Committee, on a best-effort basis. If a given technical proposal is not incorporated in a *Deliverable*, the relevant patent information will be removed from the IPR List. The intent is that NENA experts know in advance of any patent issues with particular proposals or techniques, so that these may be addressed well before a standard reaches final approval.

This *Patent Information Form* is provided to NENA for information only, on a best-effort, good faith basis. No patent search is required. Submit corrected or updated forms if your knowledge or situation changes.

Return this form to the Committee Resource Manager via email (preferred) at crm@nena.org or fax at 202.618.6370.

Disclosing Party Information

Form Submitted by TeleCommunication Svcs

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State Maryland

Country USA

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Fax _____

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Place of Submission _____

Date of Submission 12/03/15

Contribution Information

Submitter _____

Title _____

Control Number _____

Disclosure – Submitting Organization or Person

Check **one**:

- The *Submitter* owns or *Controls* claims of granted or pending patents associated with the *Contribution* or *Deliverable*, and, with respect to the rights identified at left, makes the assertion selected below.
- The *Submitter* owns or *Controls* claims of granted or pending patents associated with the *Contribution* or *Deliverable*, and, with respect to all such rights not covered by a specific disclosure specifying a different term type, makes the blanket assertion selected below.
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- In the event the *Submitter's Patent IPRs* are fully or partly included in the *Deliverable*, the *Patent Holder* is prepared to grant – on the basis of reciprocity for the listed *Deliverable* – a license to any *Implementer* of a *Standard* that results from the *Deliverable* on a world-wide, non-discriminatory basis on reasonable terms and conditions to manufacture, use, and/or sell *Compliant Portions* (as defined in the NENA IPR Policy) of the above *Deliverable (RAND)*, and will submit a *Licensing Declaration Form* per the NENA IPR Policy.
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1. Patent Registration / Application Numbers
2. Portion(s) of *Deliverable* affected
3. Description of *IPRs* covering the *Deliverable*

Patent Information Form

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Complete this section based on your best knowledge of relevant patents granted, pending, or planned by other people or by organizations other than your own.

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3rd Party Name(s) _____

Address (Line 1) _____

Address (Line 2) _____

City _____

State _____

Country _____

Post Code _____

Contact Person _____

Telephone _____

Fax _____

Email _____

Patent Number/Status _____

Inventor/Assignee _____

Relevance to *Deliverable* or *Contribution* _____

Licensing Declaration Form

Background

The NENA Intellectual Property Rights ("IPR") Policy, available at www.nena.org/ipr, requires all *Participants* in a *NENA Committee* to complete this *Licensing Declaration Form* within sixty (60) days after receiving a *Stable Form Notice* for a particular *Deliverable*.

This declaration **does not** represent an implied license grant. *Members* and *Participating Entities* are advised that the NENA IPR Policy prohibits the discussion of licensing terms, conditions, prices, and certain other matters in a NENA forum. Further information is available in the Anti-trust section of the NENA IPR Policy.

Patent Holder Information

Legal Name **TeleCommunication Systems**
 Licensing Contact **Robert F. Held**
 Contact Department **IAM**
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 Contact Person **Robert F. Held**
 Telephone **(410) 280-1273**
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 Email **bheld@telecomsys.com**
 (Optional) URL
 Date of Submission **12/03/2015**

Deliverable Information

Number & Title
 OR: **Any Deliverable**

Licensing Declaration

By signing and submitting this *Patent Licensing Form*, the *Patent Holder* represents that he, she, or it holds *Patent IPRs* whose use he, she, or it believes would be required to implement the above *Deliverable* and hereby declares, in accordance with the NENA IPR Policy that, with respect to the *Patent IPRs* listed below:

(Check **one**.)

- In the event the *Patent Holder's Patent IPRs* are fully or partly included in the *Deliverable*, the *Patent Holder* is prepared to grant – on the basis of reciprocity for the *Deliverable* listed above – a royalty-free license to any *Implementer* of a *Standard* that results from the *Deliverable* on a world-wide, non-discriminatory basis and on reasonable terms and conditions to manufacture, use, and/or sell *Compliant Portions* (as defined in the NENA IPR Policy) of the above *Deliverable (RANDz)*.
- In the event the *Patent Holder's Patent IPRs* are fully or partly included in the *Deliverable*, the *Patent Holder* is prepared to grant – on the basis of reciprocity for the *Deliverable* listed above – a license to any *Implementer* of a *Standard* that results from the *Deliverable* on a world-wide, non-discriminatory basis on reasonable terms and conditions to manufacture, use, and/or sell *Compliant Portions* (as defined in the NENA IPR Policy) of the above *Deliverable (RAND)*.
- The *Patent Holder* is unwilling to grant licenses according to the *RANDz* or *RAND* provisions above (*No License*).

Declarant Information

Authorized Person **Robert F. Held**
 Title **V.P. IAM**
 Department **IAM**
 Signature **Robert F. Held 1/19/16**

Reg. No.	Country	Title	Inventor	Assignee	Status	§ / Page Affected
1 6,940,950	US	Enhanced E911 loc	Richard Dickinson	TeleCommunication		
2 7,903,791	US	Enhanced E911 loc	Richard Dickinson	TeleCommunication		
3 8,149,997	US	Protocol converting	Todd Poremba	TeleCommunication		
4						
5						

In lieu of listing individual *Patent IPRs*, the *Patent Holder* makes the above declaration with respect to:

- All *Patent IPRs* owned or controlled by the *Patent Holder*; OR
- All *Patent IPRs* for which the *Patent Holder* has not submitted a *Licensing Declaration Form* specifying a more restrictive term type.

**TeleCommunication Systems, Inc - NENA Licensing
Declaration Form 1-19-16**

Registration Number	Country	Title	Inventor(s)	Assignee
6,940,950	US	Enhanced E911 location information using voice over internet protocol (VoIP)	Richard Dickinson, Roger Marshall, Steven P. Helme	TeleCommunication Systems, Inc.
7,903,791		Enhanced E911 location information using voice over internet protocol (VoIP)	Richard Dickinson, Roger Marshall, Steven P. Helme	TeleCommunication Systems, Inc.
8,149,997		Protocol converting 9-1-1 emergency messaging center	Todd Poremba	TeleCommunication Systems, Inc.