

PROJECT AUTHORIZATION REQUEST (PAR) FORM

1. Sponsor Date of Request: <u>October 27, 1998</u>	2. Assigned Project Number: <u>P1512</u> <i>Confer with staff</i>	3. PAR Approval Date <u>Leave Blank</u>
4. PROJECT TITLE, COPYRIGHT AGREEMENT, AND WORKING GROUP FOR THIS PROJECT I will write/revise a Standards Publication with the following TITLE (<i>Check only one, Spell out all acronyms</i>) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> STANDARD [FOR] (Document stressing the verb "SHALL") <input type="checkbox"/> RECOMMENDED PRACTICE FOR (Document stressing the verb "SHOULD") <input type="checkbox"/> GUIDE FOR (Document stressing the verb "MAY") TITLE: <u>COMMON INCIDENT MANAGEMENT MESSAGE SETS FOR USE BY EMERGENCY MANAGEMENT CENTERS</u>		
I hereby acknowledge my appointment as Official Reporter (usually the W.G. Chair) to the <u>Same as Above</u> <i>(Name of Working Group)</i>		
In consideration of my appointment and the publication of the Standards Publication identifying me, at my option, as an Official Reporter, I agree to avoid knowingly incorporating in the Standards Publication any copyrighted or proprietary material without such other's consent and acknowledge that the Standards Publication shall constitute a "work made for hire" as defined by the Copyright Act, and, that as to any work not so defined, I agree to and do hereby transfer any right or interest I may have in the copyright to said Standards Publication to IEEE.		
NAME: <u>/(signed) Chester Chandler/</u> DATE: <u>26 Jan 99</u> <i>(Signature of Official Reporter)</i>		
Type or print name of Working Group Chair: <u>CHESTER CHANDLER, PE</u>		
Title: <u>ITS DIRECTOR</u> IEEE Member No.: <u>40305764</u> Company: <u>FLORIDA DEPT. OF TRANSPORTATION - TURNPIKE DISTRICT</u> Telephone: <u>(850) 921-0973</u> Address: <u>1211 GOVENERS SQUARE BLVD. SUITE 100</u> Fax: <u>(850) 487-6679</u> City: <u>TALLAHASSEE</u> State <u>FL</u> ZIP: <u>32301</u> E-mail: <u>chester.chandler@dot.state.fl.us</u>		
5. Describe This Project: (Choose ONE from each group below.)		
(a) Update an existing PAR. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is this in ballot now? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <i>(Indicate PAR number/approval date.)</i> <u>9th December 1997, P1512</u>		
(b) <input checked="" type="checkbox"/> NEW STANDARD <input type="checkbox"/> REVISION of an existing standard. (Indicate standard number and year.) <input type="checkbox"/> SUPPLEMENT to an existing standard. (Indicate standard number and year.)		
(c) <input checked="" type="checkbox"/> FULL USE (5-year life cycle) <input type="checkbox"/> TRIAL USE (2-year life cycle)		
(d) FILL IN TARGET COMPLETION DATE for submittal to IEEE Standards Review Committee (RevCom): <u>Oct 2001</u>		
6. Scope of Proposed Project: (What is being done, including the technical boundaries of the project.) <u>SEE ATTACHMENT</u>		

7. **Purpose of Proposed Project:** *(Why is it being done, including the intended user(s) and benefits to the user(s)).*

SEE ATTACHMENT.

8. **Sponsor:** *(Give full name; spell out all acronyms.)*

Society/Committee: **STANDARDS COORDINATING COMMITTEE (SCC) FOR INTELLIGENT TRANSPORTATION SYSTEM (ITS), SCC 32**

9. (a.1) Are you aware of any patents relevant to this project? YES *(Attach an explanation.)* NO
- (a.2) Are you aware of any copyrights relevant to this project? YES *(Attach an explanation.)* NO
- (a.3) Are you aware of any trademarks relevant to this project? YES *(Attach an explanation.)* NO
- (b) Are you aware of any other standards or projects with a similar scope? YES *(Attach an explanation.)* NO *(See Attachment)*
- (c) Is this standard intended to form the basis of an international standard? YES NO *(Attach an explanation.)* DO NOT KNOW
- (d) Is this project intended to focus on health, safety, or environmental issues? YES *(Attach an explanation.)* NO DO NOT KNOW
(See Attachment)

10. **Proposed Coordination/Recommended Method of Coordination**

(Coordination is accomplished by the following: Circulation of Drafts or Liaison Membership or Common Membership.)

- (a) **Mandatory Coordination:**
SCC 10 (IEEE Dictionary) and IEEE Staff Editorial Review Circulation of Drafts
SCC 14 (Quantities, Units, and Letter Symbols) Circulation of Drafts
- (b) **IEEE Coordination Requested by Sponsor:** *(Use additional page if necessary.)* See Attachment

COORDINATION

METHOD OF COORDINATION

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- (c) Additional Coordination Requested by Others: *(Leave blank ¾ To be completed by the Standards Staff.)*

11. **Submitted By:** *(This must be the Sponsor Chair or the Sponsor's Liaison Representative to the IEEE Standards Board.)*

Signature of Submitter: //(signed) Robert L. Gottschalk// Date: 27 Jan 99 IEEE Member No. 4766710
Name: Robert L. Gottschalk, SCC 32 CHAIR Title: Communications Engineer
Company: Florida DOT Telephone: 850-921-1069
Address: 428 Collinsford Road Fax: 850-656-4799
City: Tallahassee State: Florida ZIP: 32301 E-mail: rlgottschalk@ieee.org

DO NOT WRITE BELOW THIS LINE

Signature IEEE Officer: _____ Date: _____
Title _____

PAR Section

6. **Scope of Proposed Project:** *(What is being done, including the technical boundaries of the project.)*

Research, compile, analyze, and consolidate information leading to the publication of a standards message set for Incident management. This scope initially will be limited to address message sets from Emergency Management Center (EMC) to the Traffic Management Center (TMC). However, the greater scope of more general Public Safety needs will be addressed in parallel PAR efforts.

Specifically, this project (and the related PARs which accompany it) will produce a series of interrelated standards for use in Incident Management. The design philosophy which is being followed establishes an initial standard (P1512.0, the Base Standard) which is used by all response/dispatching centers to exchange basic information about an incident and their response actions to it with other centers. This project will produce P1512.0 Incident Management Message Sets for Use by All Participating Centers as a final product.

This is augmented by additional standards (with one PAR per each anticipated standard, P1512.1 .2 .3 etc..) which will contain message set contents and implementation information used by centers of specific functional types. For example, P1512.1 for Incident Management Message Sets for Transportation Management Centers; extends the information found in the P1512.0 Base Standard with messages containing additional valuable information which only a center of this type can provide. Such examples include: the estimated impact on the roadway network from the incident itself, and various collateral effects of the time to clear the incident off the roadways on travelers (or other public safety users). See the additional PARs for further details on each additional standard.

Incident management message sets are functionally partitioned, and are not constrained to any particular mobility characteristic of a user. Senders and recipients may be fixed facilities, mobile centers or vehicles, transportable systems, or handheld units.

The major organizations active in the field of advanced transportation networking have proposed that the IEEE take the lead role in developing national standards for Incident Management Message Sets and have agreed to support the IEEE effort by providing subject matter experts to actively participate in the IEEE Working Group Meetings. These organizations are:

- (a) the Society of Automotive Engineers;
- (b) the American Association of State Highway Transportation Officers;
- (c) the Institute of Transportation Engineers;
- (d) the National Emergency Number Association, and
- (e) the Association of Public Safety Communications Officials - International Inc.

The leadership role of the IEEE in the development of these Incident Management Standards with the support of the above organizations, has been endorsed by the United States Department of Transportation, Federal Highway Administration.

7. **Purpose of Proposed Project:** *Why is it being done, including the intended user(s) and benefits to the user(s)*

Incident Management costs billions in lost productivity and loss of lives. Message sets for Incident Management ranked sixth out of forty four on the United States Government ITS America 1996 Survey of Standards Needs for an Intelligent Transportation System. It is a major component of intelligent transportation system.

Message sets for Incident Management include all message sets generated and transmitted between the emergency management subsystem to all other subsystems and providers. These include, the exchange of information about incidents between different centers responding to the incidents, Fleet and Freight Management, Information Service Providers, other Emergency Management Centers, Planning Subsystem, Traffic Management and Transit Management. Therefore, a standard message set will reduce the duplication of messages among the various subsystems and a common set of message will help providers of services to interact more effectively.

9(b) Are You aware of any standards or projects with a similar scope? Yes.

Incident Management involves the participation of a large segment of the public and private sector communities. Extensive analysis of the request being made of the IEEE to standardize Message Sets for this aspect of the Intelligent Transportation System was made by the United States Government and United State industry representatives. Although there are standards being developed with a similar scope, no evidence of duplication or overlap was identified. Based on this analysis, the United States Department of Transportation elected to partially fund the proposed standard development specified in this PAR.

9(d) Is this project intended to focus on health, safety, or environmental issues? Yes

Incident Management inherently contains, health, safety and environmental issues and the construction of the message set standards we will develop will certainly be influenced by safety and environmental factors and possibly also health factors. However, the standard being developed will not in itself impact the three issues identified.

10(b) IEEE Coordination Requested by Sponsor: (Use additional page if necessary.)

AASHTO	Liaison Member
ITE	Liaison Member
SAE	Liaison Member
NENA	Liaison Member
APCO	Liaison Member
US TAG TC 204	Common Member

Additional Information:

Why did it become necessary to change this PAR?

The original scope of this PAR outlined the interfaces between two key portions of the ITS National Architecture and the Incident Management Functions itself. These were the *Traffic Management Center(TMC)* and the *Emergency Telephone System (ETS)*. After further investigation by the working group and a meeting of those organizations responsible for these interfaces (see list on item 10b) it became apparent to all concerned that the original Architecture reference model used in developing the original PARs had undue limitations that all parties preferred to refine and remove. In addition, as work progressed the obvious benefits of certain common messages, to be used by all centers, became increasing clear.

As a result of this work, the scope of the document was expanded to include the most common messages to be used by any and all such centers with the adoption of a functional set of volumes to further focus on specific message set needs of various types of centers. This will also allow a working group structure which will focus expert knowledge of center operations where it could be best used in each PAR area. As a result of this process, the National Architecture of ITS has been modified and refined to bring it into alignment with the recommendations of the working group members.

These volumes are each presented in another PAR and consist of:

Vol 0	This PAR, as modified
Vol 1	The PAR for Traffic Incident Message Sets
Vol 2	The PAR for Public Safety (Fire Dispatch, Police Dispatch, EMS, Ambulance and others) Message Sets
Vol 3	The PAR for HAZMAT (Hazardous materials handling related issues) Message Sets
Vol D	The PAR for the Emergency Management Data Dictionary, covering all other volumes

Not presented at this time but anticipated in the PAR process are the following additional volumes:

Vol 4 Disaster Management Message Sets
Vol 5 Implementation Guide

7. **Purpose of Proposed Project:** *(Why is it being done, including the intended user(s) and benefits to the user(s)).*

SEE ATTACHMENT.

8. **Sponsor:** *(Give full name; spell out all acronyms.)*

Society/Committee: **STANDARDS COORDINATING COMMITTEE (SCC) FOR INTELLIGENT TRANSPORTATION SYSTEM (ITS), SCC 32**

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- (a.2) Are you aware of any copyrights relevant to this project? YES *(Attach an explanation.)* NO
- (a.3) Are you aware of any trademarks relevant to this project? YES *(Attach an explanation.)* NO
- (b) Are you aware of any other standards or projects with a similar scope? YES *(Attach an explanation.)* NO *(See Attachment)*
- (c) Is this standard intended to form the basis of an international standard? YES NO *(Attach an explanation.)* DO NOT KNOW
- (d) Is this project intended to focus on health, safety, or environmental issues? YES *(Attach an explanation.)* NO DO NOT KNOW
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10. **Proposed Coordination/Recommended Method of Coordination**

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11. **Submitted By:** *(This must be the Sponsor Chair or the Sponsor's Liaison Representative to the IEEE Standards Board.)*

Signature of Submitter: <u> //(signed) Robert L. Gottschalk// </u>	Date: <u> 27 Jan 99 </u>	IEEE Member No. <u> 4766710 </u>
Name: <u> Robert L. Gottschalk, SCC 32 CHAIR </u>	Title: <u> Communications Engineer </u>	
Company: <u> Florida DOT </u>	Telephone: <u> 850-921-1069 </u>	
Address: <u> 428 Collinsford Road </u>	Fax: <u> 850-656-4799 </u>	
City: <u> Tallahassee </u> State: <u> Florida </u>	ZIP: <u> 32301 </u>	E-mail: <u> rlgottschalk@ieee.org </u>

DO NOT WRITE BELOW THIS LINE

Signature IEEE Officer: _____ Date: _____
 Title: _____

PAR Section

6. Scope of Proposed Project: *(What is being done, including the technical boundaries of the project.)*

Research, compile, analyze, and consolidate information leading to the publication of a standard message set for incident management, specifically covering information transfer concerning Traffic Management.

This scope will be limited to developing a more comprehensive set of messages specifically concerning Traffic Management, which also makes use of (and builds on) the original (PAR P1512.0) effort which establishes common messages for all incident management functions. Examples of such specific message sets include estimated impact on the roadway network from the incident itself, and the management of various collateral efforts to clear the roadways. See the additional 1512 Standard PARs for further scope information on each additional standard.

Incident management message sets are functionally partitioned, and are not constrained to any particular mobility characteristic of a user. Senders and recipients may be fixed facilities, mobile centers or vehicles, transportable systems, or handheld units.

The major organizations active in the field of advanced transportation networking have proposed that the IEEE take the lead role in developing national standards for Incident Management Message Sets and have agreed to support the IEEE effort by providing subject matter experts to actively participate in the IEEE Working Group Meetings. These organizations are:

- (a) the Society of Automotive Engineers;
- (b) the American Association of State Highway Transportation Officers;
- (c) the Institute of Transportation Engineers;
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- (e) the Association of Public Safety Communications Officials - International Inc.

The leadership role of the IEEE in the development of these Incident Management Standards with the support of the above organizations, has been endorsed by the United States Department of Transportation, Federal Highway Administration, Intelligent Transportation Systems Joint Program Office.

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PROJECT AUTHORIZATION REQUEST (PAR) FORM

1. Sponsor Date of Request: <u>October 27, 1998</u>	2. Assigned Project Number: <u>P1512 .2</u> <i>Confer with staff</i>	3. PAR Approval Date <u>Leave Blank</u>
4. PROJECT TITLE, COPYRIGHT AGREEMENT, AND WORKING GROUP FOR THIS PROJECT I will write/revise a Standards Publication with the following TITLE (<i>Check only one, Spell out all acronyms</i>) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> STANDARD [FOR] (Document stressing the verb "SHALL") <input type="checkbox"/> RECOMMENDED PRACTICE FOR (Document stressing the verb "SHOULD") <input type="checkbox"/> GUIDE FOR (Document stressing the verb "MAY") TITLE: <u>PUBLIC SAFETY INCIDENT MANAGEMENT MESSAGE SETS FOR USE BY EMERGENCY MANAGEMENT CENTERS</u>		
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NAME: <u> //(signed) Chester Chandler//</u> DATE: <u>26 Jan 99</u> <i>(Signature of Official Reporter)</i>		
Type or print name of Working Group Chair: <u>CHESTER CHANDLER, PE</u>		
Title: <u>ITS DIRECTOR</u> IEEE Member No.: <u>40305764</u>		
Company: <u>FLORIDA DEPT. OF TRANSPORTATION - TURNPIKE DISTRICT</u> Telephone: <u>(850) 921-0973</u>		
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Signature IEEE Officer: _____ Date: _____
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PAR Section

6. Scope of Proposed Project: *(What is being done, including the technical boundaries of the project.)*

Research, compile, analyze, and consolidate information leading to the publication of a standard message set for incident management, specifically covering information transfer concerning **Public Safety**, comprised of Law Enforcement, Fire and Rescue, Emergency Medical Services, and other related functions and services.

This scope will be limited to developing a more comprehensive set of messages specifically concerning Public Safety, which also makes use of (and builds on) the original (PAR P1512.0) effort which establishes common messages for all incident management functions. Examples of such specific message sets include those already adopted by public safety organizations and used both in real-time and after-the-fact interaction. Federal, state, and professional organizations in the law enforcement, fire, and medical community already routinely use such standards, although not in communicating with ITS subsystems. See the additional 1512 Standard PARs for further scope information on each additional standard.

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APCO	Liaison Member
International Association of Fire Chiefs	Liaison Member
International Association of Chiefs of Police	Liaison Member
National Association of State EMS Directors	Liaison Member
National Association of EMS Physicians	Liaison Member
National Fire Protection Association	Liaison Member
US TAG TC 204	Common Member

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In consideration of my appointment and the publication of the Standards Publication identifying me, at my option, as an Official Reporter, I agree to avoid knowingly incorporating in the Standards Publication any copyrighted or proprietary material without such other's consent and acknowledge that the Standards Publication shall constitute a "work made for hire" as defined by the Copyright Act, and, that as to any work not so defined, I agree to and do hereby transfer any right or interest I may have in the copyright to said Standards Publication to IEEE.		
NAME: <u> //(signed) Chester Chandler// </u> DATE: <u>26 Jan 99</u> <i>(Signature of Official Reporter)</i>		
Type or print name of Working Group Chair: <u>CHESTER CHANDLER, PE</u>		
Title: <u>ITS DIRECTOR</u> IEEE Member No.: <u>40305764</u>		
Company: <u>FLORIDA DEPT. OF TRANSPORTATION - TURNPIKE DISTRICT</u> Telephone: <u>(850) 921-0973</u>		
Address: <u>1211 GOVENERS SQUARE BLVD. SUITE 100</u> Fax: <u>(850) 487-6679</u>		
City: <u>TALLAHASSEE</u> State <u>FL</u> ZIP: <u>32301</u> E-mail: <u>chester.chandler@dot.state.fl.us</u>		
5. Describe This Project: (Choose ONE from each group below.)		
(a) Update an existing PAR. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is this in ballot now? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <i>(Indicate PAR number/approval date.)</i>		
(b) <input checked="" type="checkbox"/> NEW STANDARD <input type="checkbox"/> REVISION of an existing standard. (Indicate standard number and year.) <input type="checkbox"/> SUPPLEMENT to an existing standard. (Indicate standard number and year.)		
(c) <input checked="" type="checkbox"/> FULL USE (5-year life cycle) <input type="checkbox"/> TRIAL USE (2-year life cycle)		
(d) FILL IN TARGET COMPLETION DATE for submittal to IEEE Standards Review Committee (RevCom): <u>Oct 2001</u>		
6. Scope of Proposed Project: (What is being done, including the technical boundaries of the project.) <u>SEE ATTACHMENT</u>		

7. **Purpose of Proposed Project:** *(Why is it being done, including the intended user(s) and benefits to the user(s)).*

SEE ATTACHMENT.

8. **Sponsor:** *(Give full name; spell out all acronyms.)*

Society/Committee: **STANDARDS COORDINATING COMMITTEE (SCC) FOR INTELLIGENT TRANSPORTATION SYSTEM (ITS), SCC 32**

9. (a.1) Are you aware of any patents relevant to this project? YES *(Attach an explanation.)* NO
- (a.2) Are you aware of any copyrights relevant to this project? YES *(Attach an explanation.)* NO
- (a.3) Are you aware of any trademarks relevant to this project? YES *(Attach an explanation.)* NO
- (b) Are you aware of any other standards or projects with a similar scope? YES *(Attach an explanation.)* NO *(See Attachment)*
- (c) Is this standard intended to form the basis of an international standard? YES NO *(Attach an explanation.)* DO NOT KNOW
- (d) Is this project intended to focus on health, safety, or environmental issues? YES *(Attach an explanation.)* NO DO NOT KNOW
(See Attachment)

10. **Proposed Coordination/Recommended Method of Coordination**

(Coordination is accomplished by the following: Circulation of Drafts or Liaison Membership or Common Membership.)

- (a) **Mandatory Coordination:**
SCC 10 (IEEE Dictionary) and IEEE Staff Editorial Review Circulation of Drafts
SCC 14 (Quantities, Units, and Letter Symbols) Circulation of Drafts
- (b) **IEEE Coordination Requested by Sponsor:** *(Use additional page if necessary.)* See Attachment

COORDINATION

METHOD OF COORDINATION

- | | | |
|---------------------------------------|----------------------------------------|---------------------------------------|
| <input type="checkbox"/> circ./drafts | <input type="checkbox"/> Liaison memb. | <input type="checkbox"/> common memb. |
| <input type="checkbox"/> circ./drafts | <input type="checkbox"/> Liaison memb. | <input type="checkbox"/> common memb. |
| <input type="checkbox"/> circ./drafts | <input type="checkbox"/> Liaison memb. | <input type="checkbox"/> common memb. |
| <input type="checkbox"/> circ./drafts | <input type="checkbox"/> Liaison memb. | <input type="checkbox"/> common memb. |
| <input type="checkbox"/> circ./drafts | <input type="checkbox"/> Liaison memb. | <input type="checkbox"/> common memb. |
- (c) Additional Coordination Requested by Others: *(Leave blank ¾ To be completed by the Standards Staff.)*

11. **Submitted By:** *(This must be the Sponsor Chair or the Sponsor's Liaison Representative to the IEEE Standards Board.)*

Signature of Submitter: <u> //(signed) Robert L. Gottschalk// </u>	Date: <u> 27 Jan 99 </u>	IEEE Member No. <u> 4766710 </u>
Name: <u> Robert L. Gottschalk, SCC 32 CHAIR </u>	Title: <u> Communications Engineer </u>	
Company: <u> Florida DOT </u>	Telephone: <u> 850-921-1069 </u>	
Address: <u> 428 Collinsford Road </u>	Fax: <u> 850-656-4799 </u>	
City: <u> Tallahassee </u> State: <u> Florida </u>	ZIP: <u> 32301 </u>	E-mail: <u> rlgottschalk@ieee.org </u>

DO NOT WRITE BELOW THIS LINE

Signature IEEE Officer: _____ Date: _____
 Title _____

PAR Section

6. Scope of Proposed Project: *(What is being done, including the technical boundaries of the project.)*

Research, compile, analyze, and consolidate information leading to the publication of a standard message set for incident management, specifically covering information transfer concerning Hazardous Materials.

This scope will be limited to developing a more comprehensive set of messages specifically concerning Hazardous Materials, which also makes use of (and builds on) the original (PAR P1512.0) effort which establishes common messages for all incident management functions. Examples of such specific message sets include information and terminology contained in the North American Emergency Response Guidebook, but will also embrace information necessary for incident command, control, and coordination, as well as long-term remediation, repair, and recovery efforts brought on by such incidents. See the additional 1512 Standard PARs for further scope information on each additional standard.

This scope will be limited to developing a more comprehensive set of messages for this specific center type which makes use of (and builds on) the original (PAR P1512.0) effort to establish common message for centers of all types of incident management centers. Examples of such hazardous material specific messages could be: the identification of the hazardous material; quantity spilled; affected areas; rescue, evacuation, containment, control, actions; and resource management. See the additional PARs for further scope information on each additional standard.

Incident management message sets are functionally partitioned, and are not constrained to any particular mobility characteristic of a user. Senders and recipients may be fixed facilities, mobile centers or vehicles, transportable systems, or handheld units.

The major organizations active in the field of advanced transportation networking have proposed that the IEEE take the lead role in developing national standards for Incident Management Message Sets and have agreed to support the IEEE effort by providing subject matter experts to actively participate in the IEEE Working Group Meetings. These organizations are:

- (a) the Society of Automotive Engineers;
- (b) the American Association of State Highway Transportation Officers;
- (c) the Institute of Transportation Engineers;
- (d) the National Emergency Number Association, and
- (e) the Association of Public Safety Communications Officials - International Inc.

The leadership role of the IEEE in the development of these Incident Management Standards with the support of the above organizations, has been endorsed by the United States Department of Transportation, Federal Highway Administration.

7. Purpose of Proposed Project: *Why is it being done, including the intended user(s) and benefits to the user(s)*

Incident Management costs billions in lost productivity and loss of lives. Message sets for Incident Management ranked sixth out of forty four on the United States Government ITS America 1996 Survey of Standards Needs for an Intelligent Transportation System. It is a major component of intelligent transportation system.

Message sets for Incident Management include all message sets generated and transmitted between the emergency management subsystem to all other subsystems and providers. These include, the exchange of information about incidents between different centers responding to the incidents, Fleet and Freight Management, Information Service Providers, other Emergency Management Centers, Planning Subsystem, Traffic Management and Transit Management. Therefore, a standard message set will reduce the duplication of messages among the various subsystems and a common set of message will help providers of services to interact more effectively.

9(b) Are You aware of any standards or projects with a similar scope? Yes.

Incident Management involves the participation of a large segment of the public and private sector communities. Extensive analysis of the request being made of the IEEE to standardize Message Sets for this aspect of the Intelligent Transportation System was made by the United States Government and United State industry representatives. Although there are standards being developed with a similar scope, no evidence of duplication or overlap was identified. Based on this analysis, the United States Department of Transportation elected to partially fund the proposed standard development specified in this PAR.

9(d) **Is this project intended to focus on health, safety, or environmental issues? Yes**

Incident Management inherently contains, health, safety and environmental issues and the construction of the message set standards we will develop will certainly be influenced by safety and environmental factors and possibly also health factors. However, the standard being developed will not in itself impact the three issues identified.

10(b) **IEEE Coordination Requested by Sponsor:** *(Use additional page if necessary.)*

AASHTO	Liaison Member
ITE	Liaison Member
SAE	Liaison Member
NENA	Liaison Member
APCO	Liaison Member
CHEMTREC	Liaison Member
US TAG TC 204	Common Member

PROJECT AUTHORIZATION REQUEST (PAR) FORM

1. Sponsor Date of Request: <u>October 27, 1998</u>	2. Assigned Project Number: <u>P1512a</u> <i>Confer with staff</i>	3. PAR Approval Date <u>Leave Blank</u>
4. PROJECT TITLE, COPYRIGHT AGREEMENT, AND WORKING GROUP FOR THIS PROJECT I will write/revise a Standards Publication with the following TITLE (<i>Check only one, Spell out all acronyms</i>) <ul style="list-style-type: none"> <input checked="" type="checkbox"/> STANDARD [FOR] (Document stressing the verb "SHALL") <input type="checkbox"/> RECOMMENDED PRACTICE FOR (Document stressing the verb "SHOULD") <input type="checkbox"/> GUIDE FOR (Document stressing the verb "MAY") TITLE: <u>EMERGENCY MANAGEMENT DATA DICTIONARY</u>		
I hereby acknowledge my appointment as Official Reporter (usually the W.G. Chair) to the <u>Same as Above</u> <i>(Name of Working Group)</i>		
In consideration of my appointment and the publication of the Standards Publication identifying me, at my option, as an Official Reporter, I agree to avoid knowingly incorporating in the Standards Publication any copyrighted or proprietary material without such other's consent and acknowledge that the Standards Publication shall constitute a "work made for hire" as defined by the Copyright Act, and, that as to any work not so defined, I agree to and do hereby transfer any right or interest I may have in the copyright to said Standards Publication to IEEE.		
NAME: <u>/(signed) Chester Chandler/</u> DATE: <u>26 Jan 99</u> <i>(Signature of Official Reporter)</i>		
Type or print name of Working Group Chair: <u>CHESTER CHANDLER, PE</u>		
Title: <u>ITS DIRECTOR</u> IEEE Member No.: <u>40305764</u> Company: <u>FLORIDA DEPT. OF TRANSPORTATION -</u> Telephone: <u>(850) 921-0973</u> <u>TURNPIKE DISTRICT</u> Address: <u>1211 GOVENERS SQUARE BLVD. SUITE 100</u> Fax: <u>(850) 487-6679</u> City: <u>TALLAHASSEE</u> State <u>FL</u> ZIP: <u>32301</u> E-mail: <u>chester.chandler@dot.state.fl.us</u>		
5. Describe This Project: (Choose ONE from each group below.)		
(a) Update an existing PAR. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is this in ballot now? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <i>(Indicate PAR number/approval date.)</i> _____		
(b) <input checked="" type="checkbox"/> NEW STANDARD <input type="checkbox"/> REVISION of an existing standard. (Indicate standard number and year.) _____ <input type="checkbox"/> SUPPLEMENT to an existing standard. (Indicate standard number and year.) _____		
(c) <input checked="" type="checkbox"/> FULL USE (5-year life cycle) <input type="checkbox"/> TRIAL USE (2-year life cycle)		
(d) FILL IN TARGET COMPLETION DATE for submittal to IEEE Standards Review Committee (RevCom): <u>Oct 2001</u>		
6. Scope of Proposed Project: (What is being done, including the technical boundaries of the project.) Research, compile, analyze, and consolidate data elements used in the 1512 family of documents, which cover message sets for highway incident management. This project will consolidate all such data elements into a format that is compliant with IEEE Standard 1489, and that is suitable for submission to the ITS Data Registry.		

7. Purpose of Proposed Project: *(Why is it being done, including the intended user(s) and benefits to the user(s)).*
 Emergency Management, alone among the subsystems in the National Architecture, lacks a data dictionary. In order to maintain consistency with the other ITS data dictionaries, IEEE Standard 1489, and the IEEE-Managed Data Registry process, a data dictionary is required. The Incident Management Working Group will prepare the data dictionary as a normal associated activity with preparing the rest of the 1512 family of standards.

8. Sponsor: *(Give full name; spell out all acronyms.)*
 Society/Committee: **STANDARDS COORDINATING COMMITTEE (SCC) FOR INTELLIGENT TRANSPORTATION SYSTEM (ITS), SCC 32**

- 9.**
- (a.1) Are you aware of any patents relevant to this project?
 YES *(Attach an explanation.)* NO
 - (a.2) Are you aware of any copyrights relevant to this project?
 YES *(Attach an explanation.)* NO
 - (a.3) Are you aware of any trademarks relevant to this project?
 YES *(Attach an explanation.)* NO
 - (b) Are you aware of any other standards or projects with a similar scope?
 YES *(Attach an explanation.)* NO
 - (c) Is this standard intended to form the basis of an international standard?
 YES NO *(Attach an explanation.)* DO NOT KNOW
 - (d) Is this project intended to focus on health, safety, or environmental issues?
 YES *(Attach an explanation.)* NO DO NOT KNOW

10. Proposed Coordination/Recommended Method of Coordination
(Coordination is accomplished by the following: Circulation of Drafts or Liaison Membership or Common Membership.)

- (a) **Mandatory Coordination:**
 SCC 10 (IEEE Dictionary) and IEEE Staff Editorial Review
 SCC 14 (Quantities, Units, and Letter Symbols) Circulation of Drafts
Circulation of Drafts
 - (b) **IEEE Coordination Requested by Sponsor:** *(Use additional page if necessary.)* IEEE ITS Data Registry Liaison Member,
Registration
- | | | |
|---------------------------------------|----------------------------------------|---------------------------------------|
| <u>COORDINATION</u> | <u>METHOD OF COORDINATION</u> | |
| <input type="checkbox"/> circ./drafts | <input type="checkbox"/> Liaison memb. | <input type="checkbox"/> common memb. |
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11. Submitted By: *(This must be the Sponsor Chair or the Sponsor's Liaison Representative to the IEEE Standards Board.)*

Signature of Submitter: <u> //(signed) Robert L. Gottschalk// </u>	Date: <u> 27 Jan 99 </u>	IEEE Member No. <u> 4766710 </u>
Name: <u> Robert L. Gottschalk, SCC 32 CHAIR </u>	Title: <u> Communications Engineer </u>	
Company: <u> Florida DOT </u>	Telephone: <u> 850-921-1069 </u>	
Address: <u> 428 Collinsford Road </u>	Fax: <u> 850-656-4799 </u>	
City: <u> Tallahassee </u> State: <u> Florida </u>	ZIP: <u> 32301 </u>	E-mail: <u> rlgottschalk@ieee.org </u>

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Signature IEEE Officer: _____ Date: _____
 Title _____