IEEE Standards Board Jan98 Project Authorization Request (PAR) Pagel(Rev V9)

1. Sponsor Date  2. Assigned Project  3. PAR Approval
   of Request          Number                       DATE
   [9July1998]        [P802.1r]                    ________

[ ] PAR Signature Page Received {IEEE Staff to check Box}

4. Project Title and Working Group/Sponsor for this Project Document type :
   [X] Standard for
   [ ] Recommended Practice for
   [ ] Guide for

   TITLE: [Supplement to ISO/IEC 15802-3 (802.1D): Information Technology -
   Telecommunications and information exchange between systems - Local &
   Metropolitan Area Networks - Common specifications - Part 3: Media
   Access Control (MAC) Bridges - GARP Proprietary Attribute
   Registration Protocol (GPRP)]

   Name of Working Group(WG) : [802.1]

   Name of Official Reporter (usually the WG Chair): [William P. Lidinsky]
   Title in WG: [WG Chair]        IEEE/Affiliate Memb # [1069269SM]
   Organization: [HEPNRC at Fermilab]        Telephone: [630-840-8067]
   Address: [M/S 368, PO Box 500, Kirk Rd. & Pine St.]    FAX:[630-840-8463]
   City/State/Zip: [Batavia/IL/60510]    EMAIL: [lidinsky@hep.net]

   Name of WG Chair (if different than Reporter): [ -- ]
   IEEE/Affiliate Memb # [ -- ]
   Organization: [ -- ]        Telephone: [ -- ]
   Address: [ -- ]        FAX: [ -- ]
   City/State/Zip: [ -- ]    EMAIL: [ -- ]

   Name of Sponsoring Society and Committee: [IEEE Comp. Soc. / LMSC]
   Name of Sponsoring Committee Chair: [Jim Carlo]
   Address: [9208 Heatherdale Dr.]    FAX: [214-853-5274]
   City/State/Zip: [Dallas/Texas/75243]    EMAIL: [jcarlo@ti.com]

5. Describe this Project by answering each of four questions below:
   5a. Update an existing PAR? (Yes/No) [NO]
       If Yes: Indicated PAR number/approval date [ -- ]
       If YES: Attach letter indicating changes/rationale for changes.
       If Yes: Is this PAR in ballot now? [ -- ] {Yes/No}

   5b. Choose one from the following:
       b1 -[ ] New Standard
       b2 -[ ] Revision of existing standard [ ]
       b3 -[XX] Supplement to existing standard [802.1D-1998]

   5c. Choose one from the following:
       c1 -[XX] Full Use (5-year life cycle)
       c2 -[ ] Trial Use (2-year cycle)

   5d. Fill in Target Completion Date to IEEE RevCom [2000]

6. Scope of Proposed Project
   [Definition of a new GARP Application, making use of and extending the
   existing specification of GARP contained in 802.1D, that will allow
   vendor-defined attribute values to be registered and distributed among
   GARP-aware Bridges in a Bridged LAN.]
7. Purpose of Proposed Project:
   [This Supplement to Std. 802.1D defines an additional GARP Application
   aimed at:
   a) Allowing vendor-specific attribute values to be distributed via GARP
      in a standard and interoperable manner;
   b) Allowing vendor-specific attribute values that may have a wider
      application within other vendors’ equiplent to be made available for
      more general use.]

8. Intellectual Property
   8a. Are you aware of any patents relevant to this project?
      [NO] {Yes, with detailed explanation below/ No}
      [ ] {Explanation}
   8b. Are you aware of any copyrights relevant to this project?
      [NO] {Yes, with detailed explanation below/ No}
      [ ] {Explanation}
   8c. Are you aware of any trademarks relevant to this project?
      [NO] {Yes, with explanation below/ No}
      [ ] {Explanation}

9. Are you aware of other standards or projects with a similar scope?
   [NO] {Yes, with explanation below/ No}
   [ ] {Explanation}

10. International Harmonization
    Is this standard planned for adoption by another international organization?
    [YES]
    If Yes: Which International Organization [ISO/IEC JTC1 SC6]
    If Yes: Include coordination in question 13 below
    If No: Explanation [ ]

11. Is this project intended to focus on health, safety or environmental
    issues?
    [NO] {Yes/No/?? if you don't know at this time}
    If Yes: Explanation? [ ]

12. Proposed Coordination/Recommended Method of Coordination
    12a. Mandatory Coordination
        SCC 10 (IEEE Dictionary) by DR
        IEEE Staff Editorial Review by DR
        SCC 14 (Quantities, Units and Letter symbols) by DR
    12b. Coordination requested by Sponsor and Method:
        [ISO/IEC JTC1 SC6] by [DR or LI or CO]
        [IETF] by [DR]
    12c. Coordination Requested by Others:
        [ ] {added by staff}

    Additional Explanation Notes: {Item Number and Explanation}
    [ ] {If necessary, these can be continued on additional pages}
TITLE: [Supplement to ISO/IEC 15802-3 (802.1D): Information Technology -
Telecommunications and information exchange between systems - Local &
Metropolitan Area Networks - Common specifications - Part 3: Media
Access Control (MAC) Bridges - GARP Proprietary Attribute
Registration Protocol (GPRP)]

I hereby acknowledge my appointment as Official Reporter (usually the
WG Chair) to the [P802.1] working group. 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 of another 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 defined, I agree to and do hereby transfer any right or interest I
may have in the copyright to said Standards Publication to IEEE.

Signature of Official Reporter ______________________    Date _________
Name of Official Reporter (usually the WG Chair): [William P. Lidinsky]
Title in WG: [Chair, 802.1]   IEEE Memb #: [1069269SM]
Organization: [HEPNRC at Fermilab]  Telephone: [630-840-8067]
Address: [M/S 368, PO Box 500, Kirk Rd. & Fine St.]  FAX: [630-840-8463]
City/State/Zip: [Batavia/IL/60510]  EMAIL: [lidinsky@hep.net]

Submitted by: (This MUST be the Sponsor Chair or the
Sponsor's Liaison Representative to the IEEE Standards Board)

Signature of Submitter____________________________    Date __________
Name of Sponsor Committee Chair:   [Jim Carlo]
Relationship to Sponsor:           [LMSC Chair]
Address: [9208 Heatherdale Dr.]  FAX: [214-853-5274]
City/State/Zip: [Dallas/Texas/75243]  EMAIL: [jcarlo@ti.com]

The submitter must be the sponsoring committee's liaison to the IEEE Standards
Board or the chair of the sponsoring committee. The PAR will not be submitted
to the Standards Board without the signatur of the Official Reporter and the
Sponsor Committee Chair. Once the PAR is completed, it shall be forwarded to
the person designated by the sponsor as responsible for submitting it to the
Standards Board New Standards Committee/NESCOM (normally the sponsoring
committee's liaison to the IEEE Standards Board). Be certain to include all
attachment sheets and supporting correspondence. The submitter will be
notified in writing when the PAR is received and when the PAR will be
considered for approval by the Standards Board. After the Standards Board
meeting, the submitter and official reporter will be notified in writing of
the action taken.

Signature by IEEE Officer: _________________________Date: __________
Title: _____________________________
1. Broad Market Potential

The proposed standard is aimed at simplifying and coordinating the process of making proprietary use of GARP, and making those proprietary uses readily available to other vendors and users of products that support GARP. Proprietary uses of GARP will be defined by a number of vendors, for a variety of purposes; this standard will ensure that these uses correctly interoperate with Bridges based on the 802.1D standard.

2. Compatibility with IEEE standard 802.1D

A major purpose of this standard is to ensure that proprietary GARP applications correctly interoperate with 802.1D-based Bridges.

3. Distinct Identity

There is no comparable mechanism defined any place else.

4. Technical Feasibility

Technical feasibility has been demonstrated:
- By implementations of existing GARP applications (GMRP and GVRP) in vendor products;
- By an almost complete draft of the proposed mechanism having already been developed and circulated within 802.1.

5. Economic Feasibility

This mechanism has no economic impact on Bridges unless they already support one or more standardised GARP applications and are intended to support one or more proprietary applications of GARP. The incremental cost of including this additional mechanism in Bridges that already implement GARP is minimal.