INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE No. 65B:
INDUSTRIAL-PROCESS MEASUREMENT AND CONTROL

WORKING GROUP 7/TASK FORCE 3:
PROGRAMMING LANGUAGES FOR PROGRAMMABLE CONTROLLERS (IEC 61131-3,8)

AGENDA

COCOA BEACH, FLORIDA, USA 22-24 JAN 2007

I. ATTENDANCE AND ROSTER

The combined SC65B/WG15 and WG7/TF3 Roster is updated and accessible at **http://www.holobloc.com/stds/iec/sc65bwg7tf3/html/wg6.htm.**

ACTION ITEM (MEMBERS, EXPERTS, and LIAISONS): Review roster and send corrections to **jhchristensen@holobloc.com.**

II. REVIEW OF MINUTES OF PREVIOUS MEETING

Minutes of the previous meeting, 65B/WG7/TF3(PRAGUE/MINUTES), are available online for review at http://www.holobloc.com/stds/iec/sc65bwg7tf3/minutes/prg03_tf3.doc.

III. REFERENCE DOCUMENTS

Reference documents for this meeting include:

- The published versions of IEC 61131-3, -8, and IEC 61499-1, -2 and -4.
- "Errata for IEC 61131-3 2nd Edition" at http://www.holobloc.com/stds/iec/sc65bwg7tf3/comments/pt3e2err.doc .
- Corrections and proposed additions from PLCopen at http://www.holobloc.com/stds/iec/sc65bwg7tf3/comments/PLCopenErrPt3e3.pdf and http://www.holobloc.com/stds/iec/sc65bwg7tf3/comments/PLCopenErrPt3e3.pdf, respectively.
- "Items for IEC 61131-3, 3rd Ed." at http://www.holobloc.com/stds/iec/sc65bwg7tf3/comments/pt3e3.htm .

IV. STATUS OF DOCUMENTS

IEC 61131-3, 2nd Edition is **published** as IEC 61131-3(2003-01), Programmable controllers - Part 3: Programming languages, with a maintenance result date of 2007.

IEC 61131-8, 2nd Edition (is **published** as IEC/TR 61131-8(2003-09), Programmable controllers - Part 8: Guidelines for the application and implementation of programming languages , with a maintenance result date of 2008.

V. LIAISON REPORTS

Mr VANDERWAL will present a report on current and completed projects of PLCopen that may impact current and future work of SC65B/WG7/TF3.

Mr KRETSCHMANN will present a report on the current work of SC65B/WG7. One administrative issue is whether maintenance of IEC 61131-3 and 61131-8 shall continue to be carried out by SC65B/WG15 in liaison with SC65B/WG7 or whether overall administration of this maintenance work shall be taken over by SC65B/WG7.

VI. PREPARATION OF IEC 61131-3 3RD EDITION DOCUMENT FOR COMMENTS

The main agenda item for this meeting consists of preparation of a DC (Document for Comments) version of IEC 61131-3, 3rd Edition, as prescribed in Annex B of the IEC supplement to the ISO/IEC Directives. This consists of the following tasks:

- Consideration of the errata listed in item III above, development of recommendations for their disposition and incorporation of the corrections into a new DC based on the FDIS of IEC 61131-3, 2nd Ed.
- Consideration of harmonization of IEC 61131-3 with IEC 61499 through the addition of an informative Annex (yet to be developed) to IEC 61131-3, 3rd Ed. One possible approach would be to assume that one or more Resources in an IEC 61131-3 "System" (which maps to an IEC 61499 "Device") could be IEC 61499 compliant, and would be configured by an IEC 61499 compliant software tool. Such resources would interact with the 61131-3 resources via 4 types of Service Interface Function Blocks which could: 1) Read or 2) modify a variable via the 61131-3 "access path" mechanism; 3) Trigger an IEC 61131-3 "Task" and receive notification when the task completed; and 4) Receive a message (event plus data) from an IEC 61131-3 application using an IEC 61131-3 messaging block, possibly utilizing a suitable modification of one of the blocks defined in IEC 61131-5.
- Consideration of "Items for IEC 61131-3, 3rd Ed." and development of a list of recommended changes (if any).

VII. SCHEDULE FOR FUTURE WORK

This will consist of:

- Assignment of tasks and establishment of a date for publication of the DC document (if not completed at this meeting).
- Determination of a date and place for the next meeting to consider comments on the DC and develop a CDV of IEC 61131-3, 3rd Ed.

Respectfully submitted,

James H. Christensen, Coordinator SC65B/WG7/TF3