This MTB proposes to shorten the int_entry and int_entry_desc operators in pl1_operators_ by one instruction. These operators are invoked from pl1 compiled code at the entry points of non-quick internal procedures. The proposal is to get the linkage pointer for the new stack frame from the display stack frame rather than from the LOT. This change has one implication that could be serious. Internal procedures would have to be called with valid display pointers; otherwise, a fault might occur, or an invalid linkage pointer might be stored. This is not a problem if the procedure is called normally inside a PL/I program or if it is called by use of an entry variable constructed according to the PL/I rules (by assignment of an entry constant to an entry variable). It is possible, however, that some programs cheat by using a null display pointer. They would fail under this plan.

Comments on this MTB would be appreciated.