

CONGRUENT SOFTWARE, INC.
514 48th AVENUE
SAN FRANCISCO, CALIFORNIA 94121

TO: John Lohmeyer
Chairman, X3T9.2
FROM: Peter Johansson
DATE: August 28, 1987
RE: Translate Page in Send/Receive Diagnostic Commands

=====

With respect to the qualifier bits returned in the Translate Page for RECEIVE DIAGNOSTIC RESULTS (RAREA, SPDTOL, and ALTTRK), I believe that better definitions are required to adequately describe the circumstances of the translated address. The following changes are proposed to page 5 of Document X3T9.2/87-126 (to replace paragraphs 4, 5, 9 and 10). A new diagram to describe the RECEIVE DIAGNOSTIC RESULTS Translate Page Format has not been included.

A Reserved (RAREA) bit of one indicates that all or part of the translated address falls within a reserved area of the media medium (i.e. e.g., speed tolerance gap, spare sector, vendor reserved area, etc.). If the entire translated address falls within a reserved area the target may not return a translated address.

A RAREA bit of zero indicates that none of the translated address falls within a reserved area of the media medium.

An Alternate Track (~~ALTTRK~~) Sector (ALTSEC) bit of one indicates that all or part of the translated address is physically located on an alternate track within the spare sector allocation area of the medium.

An ~~ALTTRK~~ ALTSEC bit of zero indicates that none of the translated address is physically located on an alternate track within the spare sector allocation area of the medium.

On page 12 of the document there is no language to prohibit the Translate Format from being identical to the Supplied Format. It is desirable to be able to do this (to obtain RAREA, SPDTOL and ALTSEC information) and the language should be strengthened to require the degenerate case of mapping to the same format.