Identification

TMG Overview
R. Fenichel

Purpose

Sections BN.4.xx, overviewed in this section, are concerned
with the TMG compiler-compiler. TMG is of interest within
Multics because the EPL compiler was written with TMG.

Discussion

TMGL is a language in which compilers may be described.
Once a compiler has been described with a TMGL program
P, a working compiler may be constructed from P:

1.   The fixed TMGL compiler is applied to P, causing
       P to be translated into a set of driving tables.

2.   The fixed TMG interpreter is appended to the driving
       tables.

This process of creating and using a TMGL-written compiler
is described in BN.4.01.

The TMGL language itself is described in BN.4.02.

Finally, BN.4.03 and BN.4.04 describe the inner structures
of the TMGL compiler and the TMG interpreter, respectively.