**Title**: SOFTWARE MODULE FOR THE CALCULATION OF RVR IN AVRA Mk II

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**External participation**: --

**Sponsor**: --

**Approval**: --

**Remarks**: --

**Document No.**: PD MT 9201

**Date of issue**: Jan. 1992

**Contents**: 14 pages

**No. of copies**: 5

**NAL Project No.**: MT-8-322

**Sponsor's Project No.**: --

**Keywords**: Runway Visual Range, Software

**Abstract**: This document describes the software module used for the computation of Runway Visual Range (RVR) in the AVRA MkII. The algorithm used is the Newton-Raphson iteration procedure. The software is written in 8086 assembly language. The numeric processor 8087 is invoked to do accurate floating point calculations. The look up tables for extinction values is thus completely avoided. The module can be called from another assembly language module. With some modifications it can also be called from a high level language.