

## **Oberon-07 (Revised Oberon)**

### Omissions/Restrictions

No access to variables that are neither global nor strictly local  
Data types LONGINT and SHORTINT  
Type inclusion (no compatibility between INTEGER and REAL)  
Pointers to records only  
Loop and exit statements eliminated  
Return statement eliminated  
With statement eliminated  
Case statement: non-negative integer labels only  
Imported variables in read-only mode  
Procedures EXCL, INCL, COPY eliminated  
Functions CAP, MIN, MAX eliminated

### Extensions

While statement with cascaded conditions  
Assignment of arrays and records (replacing COPY)  
CONST parameters  
Set complement and inclusion:  $\neg s_0$ ,  $s_0 \leq s_1$ ,  $s_0 \geq s_1$   
Set element count: ABS(s)  
Standard procedures ASSERT, PACK, UNPK, FLT

### Changes

Return clause bound to end of procedure  
ASH replaced by LSL, LSR, ASR  
HALT(n) replaced by ASSERT(FALSE, n)  
ENTIER renamed FLOOR

## **Oberon-ARM (Compiler 10.4.1008)**

### Omissions with respect to Oberon-07

Data type LONGREAL is not implemented  
Open arrays as parameters cannot have more than one dimension

### Extensions

Leaf procedures and register variables  
Interrupt procedures  
Dynamic array variables (of one dimension)  
System-specific procedures LDPSR, STPSR, LDCPR, STCPR, FLUSH