



Application Note

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Subject: New Bitwise Operations

Applicability: Motion Coordinator series system software version 1.48+

Details: The above version of the *MotionCoordinator* system software features three new commands specifically designed for bit manipulation of the VR variables:

```
SET_BIT(bit#,vr#)  
CLEAR_BIT(bit#,vr#)  
READ_BIT(bit#,vr#) ← This returns 1 or 0
```

These commands can be used to utilise the VR() variables as sets of flags or for example when communicating with PLCs featuring bitwise memory operations.

Example:

```
IF READ_BIT(3,60)=ON THEN  
    SET_BIT(2,100)  
ELSE  
    CLEAR_BIT(2,100)  
ENDIF
```