

## **EASTR\$ - Return the Date of Easter Sunday**

The EASTR\$ routine can be used to obtain the date of Easter Sunday for any year between 1700 and 2299, inclusive.

### **1. Invocation**

To obtain the date of Easter Sunday for a given year code:

```
CALL EASTR$ USING year month day
```

where *year* is PIC 9(4) COMP field containing the year number. The month of Easter Sunday (3 = March, 4 = April) is returned in the PIC 9(2) COMP *month* field, the day of Easter Sunday is returned in the PIC 9(2) COMP *day* field.

### **2. STOP Codes and Exception Conditions**

No STOP codes are generated by EASTR\$.

No EXIT codes are returned by EASTR\$.

### **3. Programming Notes**

EASTR\$ is only available with GSM SP-38, or later.

EASTR\$ uses the Meeus, Jones, Butcher algorithm to calculate the date of Easter Sunday.

The Year Number parameter is not validated. The results will be unpredictable if the Year Number is less than 1700, or higher than 2299.

### **4. Examples**

[EXAMPLE REQUIRED]

### **5. Copy-Books**

None.

### **6. See Also**

None.