SO = Summary overflow: set to 1 to indicate an overflow occurred during the exection of an instruction; remains 1 until reset by software

OV = Overflow: set to 1 to indicate an overflow occurred during the exection of an instruction; reset to 0 by next instruction if there is no overflow

CA = Carry: set to 1 to indicate carry out of bit 0 during the execution of an instruction

Byte Count = Specifies number of bytes to be transferred by Load/Store String indexed instruction

(a) Fixed-Point Exception Register (XER)

(b) Condition Register

Figure 11.23 PowerPC Register Formats