

Year 2000 Performance Warranty

For purposes of this warranty, the following definitions shall apply:

1. "Accurately" shall be defined to include:
 - a) calculations correctly performed using four digit year processing;
 - b) functionality on-line, batch, including but not limited to, entry, inquiry, maintenance and updates support four digit year processing;
 - c) interfaces and reports must support four digit year processing;
 - d) successful translation into year 2000 with valid date (e.g. CC/YY/MM/DD) without human intervention. Additional representations for week, hour, minute and second, if required, complies with the international standard ISO 8601:1988, "Data elements and interchange formats - Information exchange Representation of dates and time." When ordinal dates are used, the ISO standard format CCYYDDD is used;
 - e) processing with four digit year after transition to any date beyond the year 2000 without human intervention;
 - f) correct results in forward and backward date calculations spanning century boundaries; correct forward and backward date calculations spanning century boundaries, including conversion of previous years stored, recorded or entered as two digits.
2. "Date integrity" shall mean all manipulations of time-related data (dates, duration, days of week, etc.) will produce desired results for all valid date values within the application domain.
3. "Explicit century" shall mean date elements in interfaces and data storage permit specifying century to eliminate date ambiguity.
4. "Extraordinary actions" shall be defined to mean any action outside the normal documented processing steps identified in the product's reference documentation.
5. "General integrity" shall mean no value for current date will cause interruptions in desired operation - especially from the 20th to 21st centuries.
6. "Implicit century" shall mean for any data element without century, the correct century is unambiguous for all manipulations involving that element.
7. "Product" or "products" shall be defined to include, but is not limited to, any supplied or supported hardware, software, firmware and/or micro code.
8. "Valid date" shall be defined as a date containing a four digit year, a two digit month and a two digit day, or the ISO 8601:1988, Data elements - Information Exchange - Representation of dates and times". When ordinal dates are used, ISO standard format of CCYYDDD is used.

The vendor warrants that product(s) delivered and installed under this contract shall be able to accurately process valid date data when used in accordance with the product documentation provided by the vendor and require no extraordinary actions on the part of the Owner or its personnel. Products under this contract possess general integrity, date integrity, explicit and implicit century capabilities. If the contract requires that specific products must perform as a system in accordance with the foregoing warranty, then the warranty shall apply to those listed products as a system. The duration of this warranty and the remedies available the Owner for breach of this warranty shall be as defined in, and subject to, the terms and conditions of the vendor's standard commercial warranty or warranties contained in this contract; provided, that not with standing any provision to the contrary in such commercial warranty or warranties, the remedies available to the Owner under this warranty shall include repair or replacement of any supplied product whose non-compliance is discovered and made known to the contractor in writing within 90 days after final acceptance, as that term is defined elsewhere in the contract. Nothing in this warranty shall be considered to limit any rights or remedies the Owner may otherwise have under this contract with respect to defects other than Year 2000 performance.

Vendor Name

Texas Department of Transportation
Dated: May 19, 1997

Authorized Signature

Date

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