**Metering Company Device Tracking System**

A metering company needs to track its devices along several dimensions. Devices are assigned a unique ID, some have an internal alternate name ID. There are more than one type of device, although this system is only tracking one type at present. Devices come in boxes. A box has more than one device. Boxes are checked out of the storehouse by crews. Crews are made up of workers, but we do not track below the crew level. Boxes arrive on Pallets. There are more than one boxes to a Pallet. Pallets get assigned to a storehouse. Storehouses hold more than one Pallet. A pallet may be moved from one storehouse to another. When that happens the company tracks the date the move occurred. Devices are associated to the purchase order. More than one device is associated to a single purchase order. Devices also have a shelf life based on the shipping date from the vendor. The shipping date is tracked by the purchase order number associated to the specific device. Devices have a corresponding ‘stock number’ that is used for ordering information. More than one vendor offers a device type; some vendors offer more than one type of device.