E-Pedigree Application

This is version one of an e-Pedigree application that is designed to track and trace drug prescriptions with pedigrees (electronic documents) throughout a pharmaceutical supply chain. It is a sub-system to a larger application that employs sensor networks and telemetry to track and trace drug prescriptions. Members of a pharmaceutical supply chain are manufacturers, distributors, and retailers. Version one concentrates on helping manufacturers create electronic pedigrees to comply with Food and Drug Administration (FDA) and GS1 regulations. It enables the manufacturer to do the following activities in creating an electronic pedigree and meet compliance:

- Create a manufacturer's identification profile to a source of origin.
- Create a product identification profile containing FDA serial number identification.
- Create a pedigree profile to establish a chain of custody document for products.
- Create a pedigree envelope to be used as shipping manifest for pedigrees and products.