ERER Task Force – Identified Improvements to Version 3.0 of the Minnesota Standard Schema

The Navis Group has conducted a detailed review of version 3.0 of the Minnesota ERER Standards. Based on this review and feedback from pilot county vendors, we have identified the following ways that the schema could be improved.

It is our recommendation that these issues be resolved in a timely manner so that Phase II development can utilize the most consistent version of standard schema. These changes will make it easier for existing and new counties and vendors to implement e-recording. The easier the schemas are to work with, the faster public and private entities will adopt e-recording. Because the changes we have identified deal with schema design, they are global and they affect every electronic recording document.

Multiple Platform Portability

Version 3.0 of the Standard XML Schema is compatible with Microsoft platforms. In order to make the Schema compatible with other platforms such as UNIX and Linux, stricter validation rules should be applied.

For example, version 3.0 is not case sensitive. The Property element is capitalized in some locations and lower-case in others. Using stricter validation rules will help make the Schema more portable between architecture platforms and enable more vendors to enter the market with diversified electronic recording systems.

Object Oriented Approach

Version 3.0 of the Standard XML Schema contains instances of Elements that mean different things in different places. In an object oriented approach, elements should remain consistent throughout an XML document.
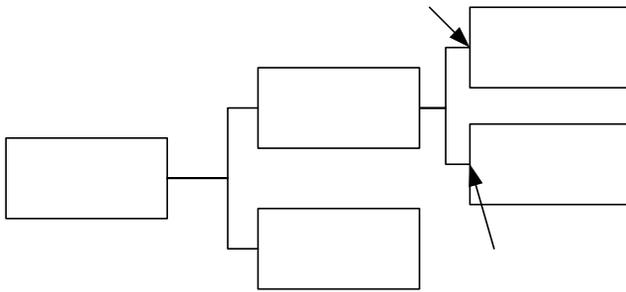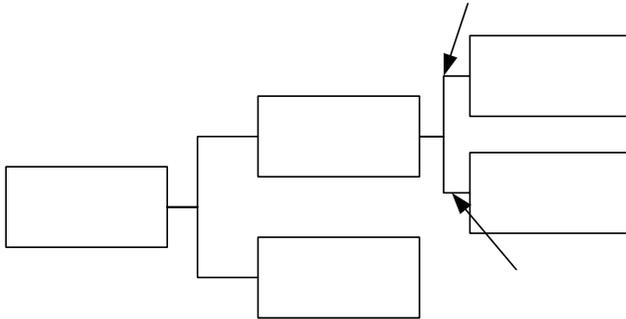
For example, in the Satisfaction document, the EntityName element changes depending on where the element is located. When EntityName is a child of Grantor, its children are Organization and IndividualGroup. When EntityName is a child of the ReturnToParty element, under Parties, its children are Organization and Individual.

In an object oriented approach, EntityName should remain consistent throughout the document and relationships should change. See the example below:
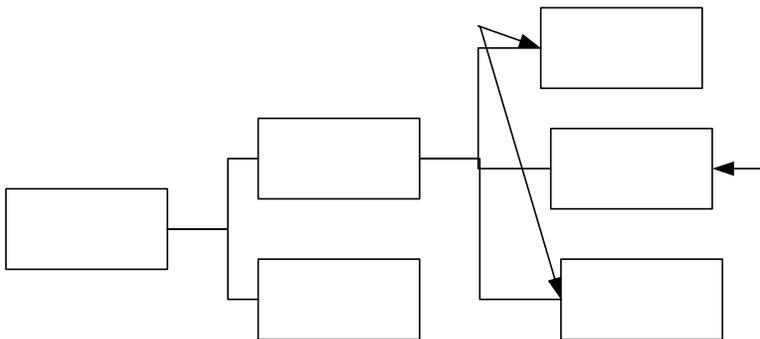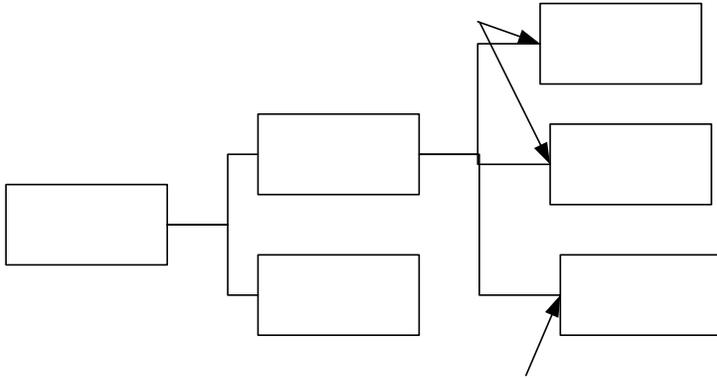
Current Approach:

Recommended Approach

E

Grantor

ReturnToParty