

APPENDIX A

1 Introduction

The following tags are a set of markup elements that allows a document to use speech as an input or output medium. The tags are designed to be self-contained XML that can be imbedded into any SGML derived markup languages such as HTML, XHTML, cHTML, SMIL, WML and the like. The tags used herein are similar to SAPI 5.0, which are known methods available from Microsoft Corporation of Redmond, Washington. The tags, elements, events, attributes, properties, return values, etc. are merely exemplary and should not be considered limiting. Although exemplified herein for speech and DTMF recognition, similar tags can be provided for other forms of recognition.

The main elements herein discussed are:

<prompt ...> for speech synthesis configuration and prompt playing
<reco ...> for recognizer configuration and recognition execution and post-processing
<grammar ...> for specifying input grammar resources
<bind ...> for processing of recognition results
<dtmf ...> for configuration and control of DTMF

2 Reco

The Reco element is used to specify possible user inputs and a means for dealing with the input results.