



Revision History:

Name	Change Date	Version	Description of Changes
Tafseer Ahmed	25 Oct, 2004	4.1.0.1	Created
Tafseer Ahmed	4 th Nov, 2004	4.1.0.1	F-Description is added to the rule.
Sara Hussain	20 th Dec, 2004	4.1.0.2	Renamed FORM feature of asp_aux to _AUX_FORM

Rule ID: UGR110

Rule Syntax: Following is the constituent description of the rule.

VerbalPpassive -> ComplexP asp_aux (asp_aux) (TenseAuxP)

Rule Functional Description: Following are the functional specifications of the rule.

VerbalPpassive -> ComplexP:^ = !; asp_aux: [!_AUX_FORM =c 'passive_ja'],^ TNS_ASP = ! TNS_ASP,^ _MORPH_FORM =c ! _ALLOWED_FORM, ^ _MORPH FORM = ! _MORPH_FORM,^ NUM = ! NUM, ^ RESPECT = ! RESPECT, ^ PERS = ! PERS, ^ GEND = ! GEND; (TenseAuxP:^ TNS_ASP = ! TNS_ASP, ^ _MORPH FORM = ! _MORPH_ALLOWED_FORM, ^ NUM = ! NUM, ^ RESPECT = ! RESPECT, ^ PERS = ! PERS, ^ GEND = ! GEND;).

VerbalPpassive -> ComplexP:^ = !; asp_aux: [!_AUX_FORM =c 'passive_ja'],^ TNS_ASP = ! TNS_ASP,^ _MORPH_FORM =c ! _ALLOWED_FORM, ^ _MORPH JA_FORM = ! _MORPH_FORM,^ NUM = ! NUM, ^ RESPECT = ! RESPECT, ^ PERS = ! PERS, ^ GEND = ! GEND; asp_aux:^ TNS_ASP = ! TNS_ASP, ^ _MORPH JA_FORM =c ! _ALLOWED_FORM, ^ _MORPH FORM = ! _MORPH_FORM, ^ NUM = ! NUM, ^ RESPECT = ! RESPECT, ^ PERS = ! PERS, ^ GEND = ! GEND; (TenseAuxP:^ TNS_ASP = ! TNS_ASP,^ _MORPH FORM = ! _MORPH_ALLOWED_FORM, ^ NUM = ! NUM, ^ RESPECT = ! RESPECT, ^ PERS = ! PERS, ^ GEND = ! GEND;).

Frequency: 1

Description: This rule shows main rule for verb phrase.

c-structure: Verb phrase consists of a complex predicate phrase followed by optional aspectual auxiliaries and tense auxiliary phrase.

f-structure: Complex predicate phrase, auxiliary and tense auxiliary have agreement on the basis of number, gender, person and morphological form of verb.

Examples:

کتاب [پڑھی گئی].
کتاب [پڑھی جا سکتی ہے].



Rule Status: Under Process

Reference: UGR103, UGR109

Related Rules: UGR116, UGR024

Related POS: UPOS013

Replaces: - UGR020

Reason: - UGR020 was a general rule for all types of VP.

Replaced by: -

Analysis: Following is the analysis of the rule.

Analysis: Passive Sentence has a special syntax that is different from syntax of Usual Verb Phrase. It has Aspectual Auxiliary 'passive_ja' after Complex Predicate. The form of 'passive_ja' is determined by tense and aspect of the sentence. The Agreements in this kind of Verbal Phrase is same as discussed in UGR109.

Result: We decided on above analysis.

Future Work: Sentences having more than two aspectual auxiliaries will be modeled.