



Center for Research in Urdu Language Processing
National University of Computer and Emerging Sciences, Lahore Pakistan



Revision History:

Name	Change Date	Version	Description of Changes
Aasim Ali	08-AUG-2005	5.1.0.1	Created to document the changes made in UGR file by Nayyara

Rule ID: UGR147

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

VPperf -> ComplexP.

VPperf -> ComplexP TenseAuxP.

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

VPperf -> ComplexP: ^ = !, ^ _MORPH_FORM =c PERFECTIVE, ^ TNS_ASP NEARNESS =c INDEFINITE, ^ NUM =c ! NUM_END;

VPperf -> ComplexP: ^ = !, ^ _MORPH_FORM =c PERFECTIVE, ^ NUM =c ! NUM_MID;
[[TenseAuxP: ^ _MORPH FORM = ! _MORPH ALLOWED_FORM, ^ TNS_ASP NEARNESS =c POS, ! _MORPH_FORM =c SUBJUNCTIVE, ! _AUX_FORM =c 'ho', ^ TNS_ASP TENSE =c PAST, ^ NUM =c ! NUM, ^ RESPECT =c ! RESPECT, ^ PERS =c ! PERS, ^ GEND =c ! GEND;

| TenseAuxP: ^ _MORPH FORM = ! _MORPH ALLOWED_FORM, ^ TNS_ASP NEARNESS =c NEG, ! _MORPH_FORM =c PERFECTIVE, ! _AUX_FORM =c 'tha', ^ TNS_ASP =c ! TNS_ASP, ^ NUM =c ! NUM, ^ RESPECT =c ! RESPECT, ^ PERS =c ! PERS, ^ GEND =c ! GEND;]

| [TenseAuxP: ^ _MORPH FORM = ! _MORPH ALLOWED_FORM, ^ TNS_ASP NEARNESS =c NA, ! TNS_ASP PROBABLE =c POS, !, ^ TNS_ASP =c ! TNS_ASP, ^ NUM =c ! NUM, ^ RESPECT =c ! RESPECT, ^ PERS =c ! PERS, ^ GEND =c ! GEND;]].

Frequency: 1

Description: This rule shows main rule for verb phrase in PERFECTIVE form.

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

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

Examples:

- لڑکا سلیم کو ملا۔ [TNS_ASP NEARNESS =c INDEFINITE]
- لڑکا گھر گیا ہے۔ [TNS_ASP NEARNESS =c POS]
- میں نے کتاب پڑھی تھی۔ [TNS_ASP NEARNESS =c NEG]
- میں نے تمہیں دیکھا ہوگا۔ [TNS_ASP NEARNESS =c NA]
- لڑکے کو سردی لگی۔ [TNS_ASP NEARNESS =c INDEFINITE]



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Rule Status: Under Process

Reference:

- [1] UGR103
- [2] Miriam Butt, Discussion at EGD_ULP meetings

Related Rules: UGR103 UGR116, UGR141

Related POS:

Replaces: -

Reason: -

Replaced by: -

Analysis: Following is the analysis of the rule.

Analysis: The Usual Verb Phrase consists of Complex Predicate and Optional Tense Auxiliary Phrase. In syntax of commonly used Urdu, only one aspectual auxiliary is used after Complex Predicate. Morphological form of each node depends on form of the next node. For example, 'ہے', 'تھا' and 'ہوگا' allow PERFECTIVE or HABITUAL form. 'گا' allows SUBJUNCTIVE form before it. The Complex Predicate provides the Sub-Categorization frame for the phrase. The case of subject is provided by last main or light verb of the phrase.

NUMBER of the VPhonperf is chosen from two features, namely, NUM_MID and NUM_END. NUM_MID means the NUMBER of the middle element in the composition, whereas NUM_END means the NUMBER of the last element.

Result: We decided on above analysis.

Future Work: