



### Revision History:

Name	Change Date	Version	Description of Changes
Omar Javed	6 <sup>th</sup> Nov, 2004	4.1.0.3	Created
Sara Hussain	21 <sup>st</sup> Feb, 2004	4.1.0.4	Modified for Infinitival agreement check and Deverbal entry
Aasim Ali	08-Jul-2005	5.1.0.1	Relative Clause added, and Deverbal-only production removed
<b>Tafseer Ahmed</b>	<b>07-Jul-2005</b>	<b>5.1.0.2</b>	<b>Current NPnoun checked and rectified</b>
Aasim Ali	08-Aug-2005	5.1.0.3	Documented the NOUN feature added by Nayyara

### Rule ID: UGR137

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

KP -> NP cm (Rel\_CI)

KP -> NPnoun (Rel\_CI)

KP -> NPpronoun (Rel\_CI) (DeverbalVP)

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

KP -> NP: ^=!, !FORM =c OBL; cm: ^= !; (Rel\_CI: ^ADJUNCT REL\_CL= !;).

KP -> NPnoun: ^=!, !FORM =c NOM, ^CASE = NOM, ^ NOUN = POS; ( Rel\_CI: ^ ADJUNCT REL\_CL= !; ).

KP -> NPpronoun: ^=!, !FORM =c NOM, !CASE=c {NOM, ACC, DAT, GEN}, ! \_INFL\_AGREEMENT =c NA, ^NOUN=NEG;  
( Rel\_CI: ^ ADJUNCT REL\_CL= !; )  
(DeverbalVP: ^SPEC DEM= !, ^ NUM = ! NUM, ^ GEND = ! GEND, ^FORM = ! FORM;).

### Frequency: 1

**Description:** This rule shows the Case Phrase of Urdu Grammar. This Case Phrase can act as Subject, Object or Object2.

*c-structure:* Case phrase consists of a Noun phrase and an optional case marker. In case the noun phrase is a pronoun it can be followed by an optional adverbial phrase.

*f-structure:* All features present in Noun Phrase and case marker are moved to Case Phrase. Since these features are unified, if there is any inconsistent feature in NP and cm, production will fail.

### Example:

لڑکے کو

سیب کو

مجھ سے

تمہیں

[وہ (بھاگتا ہوا)] آیا

[لکھا ہوا] جومیں نے پڑھا تھا [مٹ چکا ہے

[اس آدمی نے [جس نے سوال پوچھا تھا]] باتہ بلایا ہے



**Rule Status:** Under Process

**Reference:**

- [1] Butt and King, “*The Status of case*”
- [2] مولوی عبدالحق، اردو صرف و نحو، صفحہ 41-42
- [3] Bhatt, Rajesh  
“Topics in the Syntax of the Modern Indo-Aryan Languages”  
April 4, 2003, “Correlative Clauses”
- [4] Bhatt, Rajesh  
“Topics in the Syntax of the Modern Indo-Aryan Languages”  
April 11, 2003, “Other Correlative Clauses”

**Related Rules:** UGR138, UGR131, UGR106, UGR144

**Related POS:** UPOS101

**Replaces:** -UGR002

**Reason:** -

**Replaced by:** -

**Analysis:** Following is the in-depth analysis of the rule.

**Analysis:**

Case phrase can consist of only noun phrase or noun phrase with a case marker. It consists of only noun phrase when its case is nominative, as in Urdu there is no Nominative case marker. Other possibility is that noun phrase itself contains case. This situation is with pronouns like *mujhe* مجھے, *tumhen* تمہیں etc. For definition of case marker and possible cases in Urdu, see POS document for case markers (ref: UPOS01).

Correct form of noun with case marker is determined on the basis of their lexical features. Nouns have two forms, Nominative and one altered form which can take any case marker. Some pronouns take case markers to make KP, i.e. *men ney* میں نے is ergative case of first person singular. Some pronouns contain case themselves and form KP without adding case marker, i.e. *mujhe* مجھے, *tumhen* تمہیں are accusative and dative. Adding case marker with such pronouns is syntax error, i.e. *mujhe ko* مجھے کو is wrong. To check this error FORM feature is used.

Deverbals can occur in case phrase as optional specifiers (adjective) for pronouns. In this case number, gender and form of deverbals and pronoun should be same. Deverbals can also occur in a sentence as a noun in nominative case.

Whenever the Relative Clause appears adjacent to its related Noun Phrase, it carries post-nominal form, in Urdu. This rule follows the fixed order of the sentence as already decided and implemented in the rule UGR103 (Sdec). Thus the Relative Clause is only allowed to occur at its syntactically fixed position in the sentence.

- Not Handled [جو کتاب میز کے نیچے ہے] میں نے وہ ادھار لی تھی۔



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Handled - میں نے وہ کتاب [جو میز کے نیچے ہے] ادھار لی تھی۔

**Result:** We decided on above analysis.

**Future Work:**

NPconj will be added rules to deal NP co-ordination.

In addition to the hybrid relatives following tasks are also to be handled in future:

- Relatives in place other post-NP
- Sentence-level relative