AGILE

Automatic Generation of Instructions in Languages of Eastern Europe

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Title ***Tagging and analysis of instructional texts in the software domain***

Authors Anthony Hartley
Danail Dochev
Nevena Gromova
Kamenka Staykova
Alla Bemova
Aleksandr Rosen
Jiri Trojanek
Elena Sokolova

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Abstract:

This document presents the results of WP3 "Corpus preparation and analysis". Three parallel corpora of software instruction texts from the CAD/CAM domain CORP-Bu, CORP-Cz and CORP-Ru are included in the appendices. The purpose of coding, applied tag set and motives for its choice are discussed in the text. The results of the analysis of the three corpora are summarized in tables of co-occurrences of lexico-grammatical characteristics versus text plan elements and are discussed for Bulgarian, Czech and Russian, respectively.

More information on AGILE is available on the project web page and from the project coordinators:

URL:	http://www.itri.brighton.ac.uk/projects/agile
email:	agile-coord@itri.bton.ac.uk
telephone:	+44-1273-642900
fax:	+44-1273-642908

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1. Introduction

The aim of the AGILE project is to develop a generic set of tools and linguistic resources for generating software instructional texts in Bulgarian, Czech and Russian. The instructional texts are within the CAD/CAM domain. The project is based on the experience of the DRAFTER project, developed in the University of Brighton for English and French. One of the initial tasks of AGILE was to investigate the differences in the software instruction texts written in the three Slavic languages with respect to the languages analysed in DRAFTER. This was carried out in the frame of Work Package 3 by preparation of three parallel corpora of instructional texts for each of the Slavic languages, marked by a common tag set to reveal the correlation between the text unit functions and the chosen lexico-grammatical characteristics.

The corpus preparation and processing activities followed the methodology proposed in [Hartley, A. and Paris C. (1996)], consisting of the following steps:

1. Collection of texts from CAD/CAM software manuals.
2. Identification of linguistic features to be considered during the corpus analysis.
3. Marking of the corpus in terms of the selected features.
4. Computation of the frequency count of each linguistic feature.
5. Identification of the co-occurrences between linguistic features and text unit functions.

Corpus analysis was carried out within the framework of Systemic-Functional Linguistic [Halliday (1994)], which views language as a resource for the creation of meaning.

2. Corpus preparation and coding

2.1 Selection of corpus texts

Technical manuals within a specific domains constitute a sublanguage [Sager (1993)]. An important property of a sublanguage is its lexical and syntactical closure. It was shown (e.g. in [Kitteredge R. (1987)]) that after the first 2000 words of a sublanguage text the number of new words increases little if at all. This lexical closure is determined by the domain specificity of the sublanguage, as well as by the norms of technical communication, which prefer monosemy to synonymy. The syntactic closure in sublanguages (leading to application of small number of rigid syntactical structures) was also demonstrated in several works.

Considering these results the partners agreed that a small corpus volume would be sufficient for the needs of the project. A popular CAD/CAM manual [AutoCAD (1996)] was selected as a source for the corpus preparation because of its wide use and availability in English as well as in all the three Slavic languages. The following nine texts from Chapter 2 of the manual describing procedures for producing graphical objects were chosen to be included in the parallel corpora:

- "To draw a line" (p. 44);
- “To draw a polyline with straight segments” (p. 45);
- “To draw a line and arc combination polyline” (p. 46);
- “To create a multiline style” (pp. 47-48);
- “To specify the properties of the entire multiline” (pp. 48-49);
- “To draw a multiline” (pp. 49-50);
- “To draw a circumscribed hexagon” (p. 51);
- “To sketch and record freehand lines” (p. 52);
- “To erase freehand lines” (p. 53).

The selected texts are mostly procedural, corresponding to the specifications planned for the first two project phases - the Initial Demonstrator and the Intermediate Prototype. As CAD/CAM manuals are a natural mixture of functional and procedural paragraphs some descriptive text chunks are also included in the corpora, though in limited number.

2.2 Purpose of coding

The results of corpora analysis were intended to reveal the necessary linguistic resources of the three Slavic languages with respect to their use in software instructional texts. They served as a source of specific information for the main subsequent activities in the project. The corpus processing was used to help in the determination of:

- domain model concepts

The corpus analysis supplied information for the necessary modifications to the domain model, made under WP2 (inclusion of additional concept definitions using the T-box notation).

- text planning processes

The recorded correlation between the lexico-grammatical features and the plan elements (procedural elements of assertions in A-box notation, expressing possible actions with T-box concepts) gave information for the text planning, analysed in the scope of WP5 and influenced directly the development of text planning rules.

- lexical resources

The set of lexical items used in the analysed texts was determined and used for lexicon development carried out in the scope of WP4.

- grammatical resources

The determination of grammatical structures used in the analysed texts supplied information for WP6 and WP7, dealing with tactical text generation.

2.3 Motivation of the choice of the coding features

The choice of linguistic features for corpus tagging was based on the previous work [Hartley, A. and Paris C. (1996)] done as part of the DRAFTER project. Its theoretical framework is the Systemic-Functional Linguistics (SFL) [Halliday M.A.K. (1994)]. The functional approach of SFL implies a high degree of commonality between the features of the analysed languages for the purposes of the AGILE project.

Our corpus analysis was conducted on a set of software instruction texts. We have addressed only the procedural part of the manuals, since this is the part where the instructions and command for performing a given task are. Those texts are characterised by a specific text structure and text plan. The text plan of the procedural text may be expressed by combination of the following elements: Goal, Precondition, Step, Side-effect, Interrupt. Each procedure has a goal and consists of a set of steps. Often in order to perform a procedure precondition(s) have to be satisfied. The normal stream of performed actions may be accompanied with side-effects. The Interrupt element describes additional actions, necessary to undo the results of the current procedure. Each text to be generated has a communicative goal and intended meaning, which have to be realised by the most appropriate linguistic expression. In our case the concrete plan element is realised by some typical linguistic features. The semantic function of the plan element allows a mapping from semantics to grammar.

SFL is a grammar pushed to semantics, i.e. every grammatical feature encodes a specific meaning. The three functional components of meaning in SFL (metafunctions) are expressed by different grammatical structures. All of the metafunctions are combined in the clause, the unit with which SFL is concerned most. The RANK with features: clause and group, is a basic grammatical hierarchical unit in SFL, so it is our first lexico-grammatical feature - LGF1 (Figure 1). Each LGF is a language attribute with several possible values. The semantic difference between the rank of the clause and the rank of the group is that in a group only one functional component of meaning is expressed. For instance, the experiential meaning of the ideational metafunction is expressed mainly in the nominal group, which is another feature in our tag set.

Figure 1 Lexico-grammatical feature 1: RANK

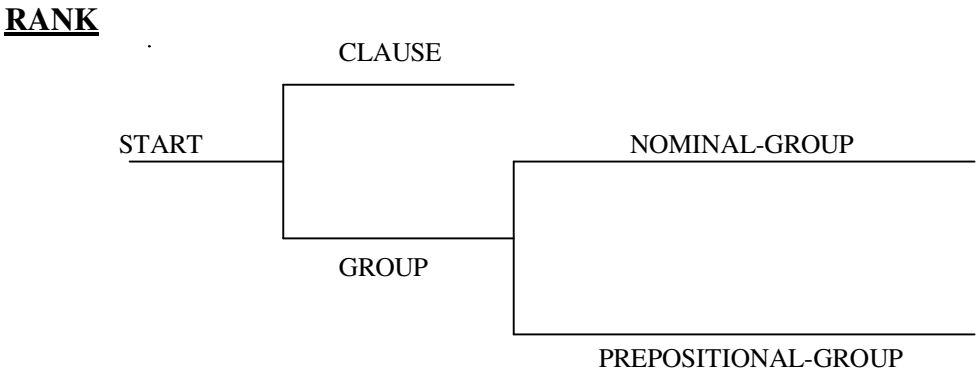
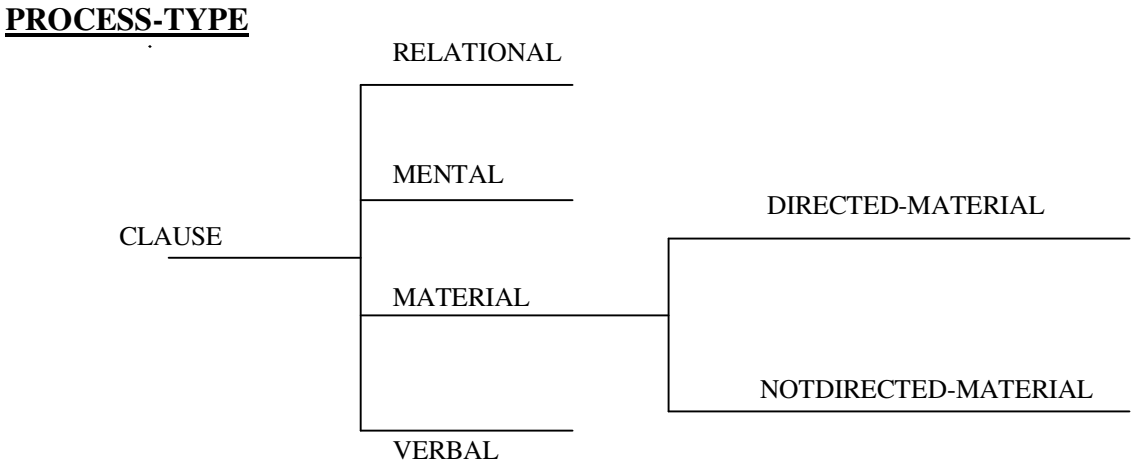


Figure 2 Lexico-grammatical feature 2: PROCESS-TYPE



When the clause is viewed as representation, the function it expresses is **ideational,** i.e. modelling of experience. The basic components of such clause are process, participants and circumstances. Almost every clause represents some kind of process that is why the second system in the tag set is Process-type - LGF2 (Figure 2). It allows determining the kind of processes found in instructional texts. Finiteness - LGF3, Polarity - LGF4 (Figure 3), Voice - LGF7 (Figure 4) and Agency - LGF 8 (Figure 5) are features closely related and dependent on the kind of process.

Figure 3 Lexico-grammatical features 3 and 4: FINITENESS and POLARITY

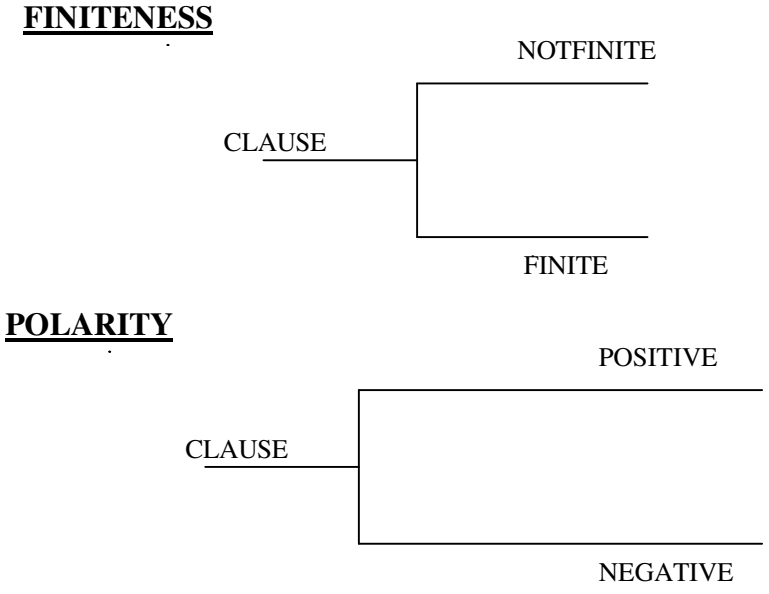


Figure 4 Lexico-grammatical feature 7: VOICE

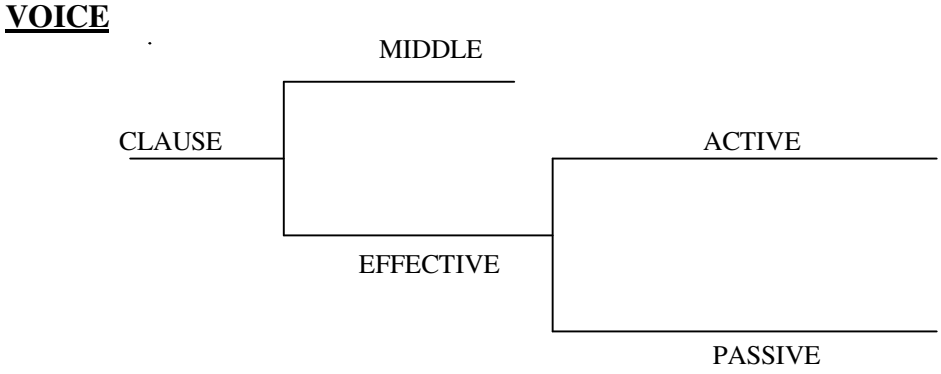
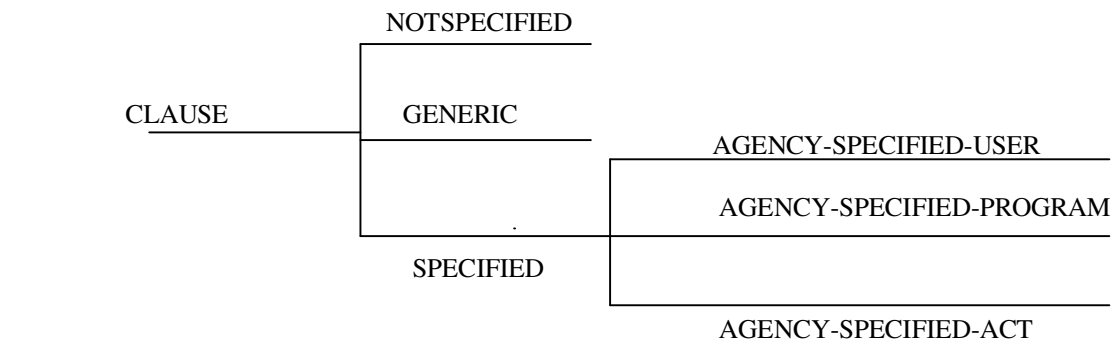


Figure 5 Lexico-grammatical feature 8: AGENCY



Some clauses have the meaning of exchange. The typical grammatical realisation of the **interpersonal** metafunction is the grammatical categories of Mood (LGF6) and Modality - LGF7 (Figure 7). The instructional texts as a whole have a clear interpersonal meaning, that of commands given to the user and request of action.

Figure 6 Lexico-grammatical feature 6: MOOD

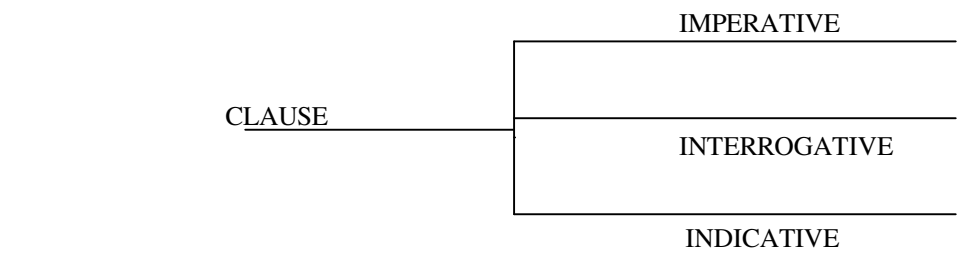
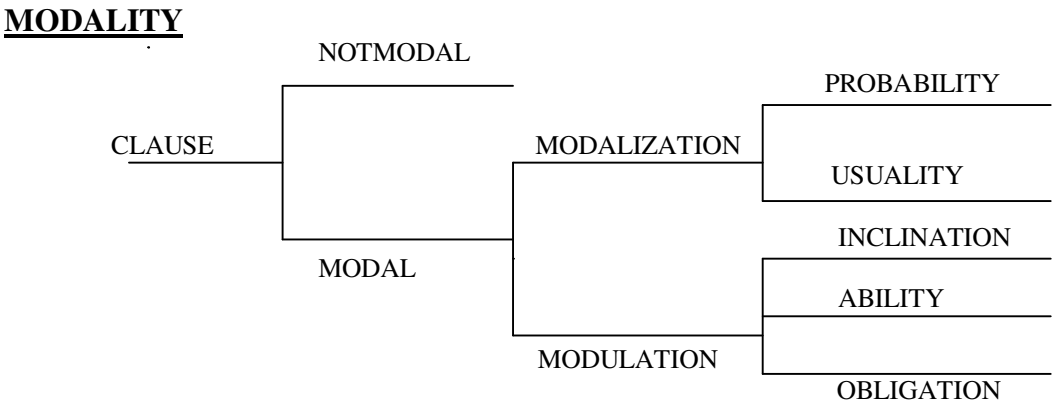


Figure 7 Lexico-grammatical feature 7: MODALITY



All the rest of the chosen lexico-grammatical features realise the **textual** metafunction: clause complexity - LGF9 and clause interdependency - LGF10 (Figure 8), clause taxis - LGF11 and conjunction type - LFG12 (Figure 9).

Figure 8 Lexico-grammatical features 9 and 10: CLAUSE-COMPLEXITY and CLAUSE-DEPENDENCY

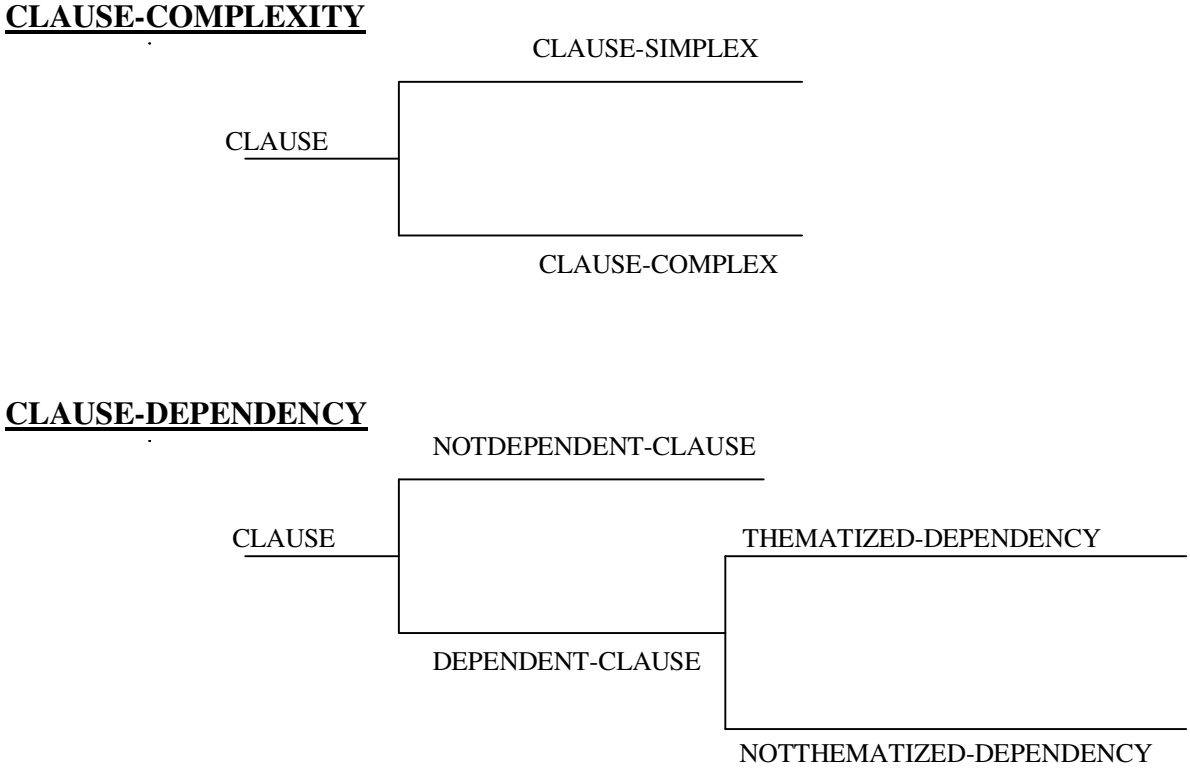
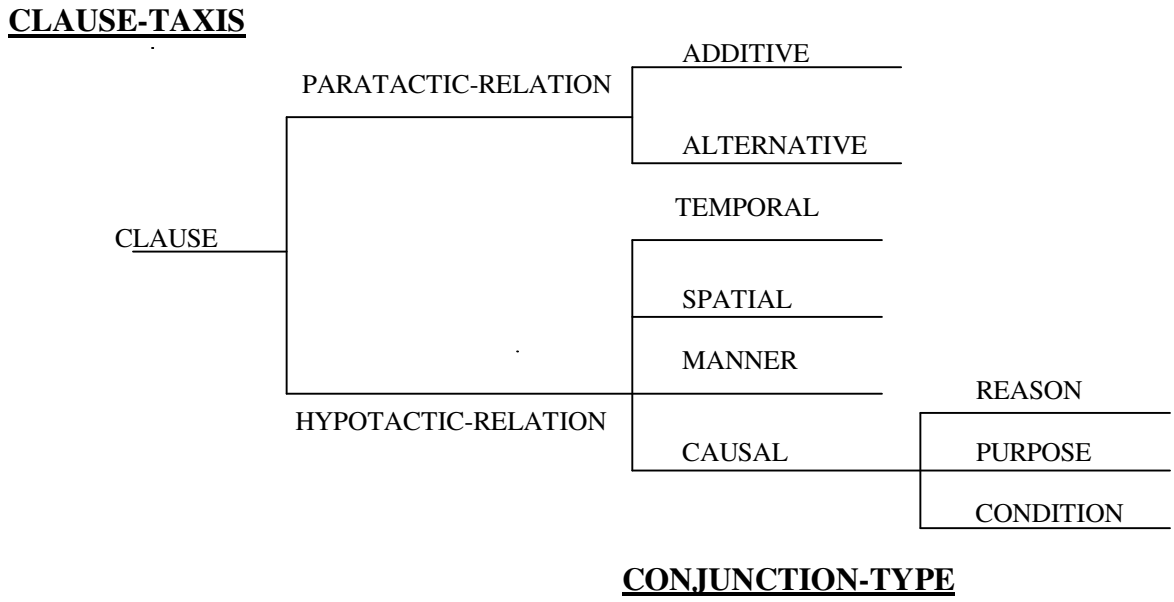


Figure 9 Lexico-grammatical features 11 and 12: CLAUSE-TAXIS and CONJUNCTION-TYPE



The syntactic and lexical closure of this kind of sublanguage implies that a relatively small tag set will suffice.

2.4 Tag set for AGILE corpora

The following list of attributes and their possible values were used for corpora coding:

- **Text unit:** Introduction, Procedure, Related-procedures, Further-possibilities, Other {**TI, TP, TRP, TFP, TO}**
- **Plan elements**: Goal, Precondition, Step, Side-effect, Interrupt **{G, P, S, E, I}**
- **Lexico-Grammatical Features**
  - **LGF 1: Rank**

    {CL - Clause, **NGR** - Nominal Group, **PGR** - Prepositional group}
  - **LGF 2: Process-type**

    {RP - relational**, MNP -** mental**, VEP -** verbal,

    DMP - directed-material**, NMP -** nondirected-material**}**
  - **LGF 3: Finiteness**

    {FIN - finite**, NFIN -** nonfinite}
  - **LGF 4: Polarity**

    {POS - positive**, NEG -** negative}

- **LGF 5: Modality**

  {NMD - notmodal**, MDZP -** probability**, MDZU -** usuality**,**
  MDLI - inclination**, MDLA -** ability**, MDLO -** obligation}
- **LGF 6: Mood**

  {IMP - imperative**, INT -** interrogative**, IND -** indicative}
- **LGF 7: Voice**

  {VMID - middle**, VEFA -** active**, VEFP -** passive}
- **LGF 8: Agency-specified**

  {AGSU - agency-specified-user**, AGSP -** agency-specified-program**,**
  AGSA - agency-specified-act**, AGN -** agency-notspecified**, AGG -**
  agency- specified-generic}
- **LGF 9: Member-of-clause-complexity**

  {CCS - clause-complexity-simplex**, CCC -** clause-complexity-complex}
- **LGF 10: Clause-dependency**

  {NDC - notdependent-clause**, DCT -** thematized-dependent-clause**,**
  NDCT - notthematized-dependent-clause}
- **LGF 11: Clause-taxis**

  {PRC - paratactic-relation clause**, HRC -** hypotactic-relation clause}
- **LGF 12: Conjunction-type**

  {CTAD - conjunction-type-additive**, CTAL -** conjunction-type-alternative**,**
  CTT - conjunction-type-temporal**, CTS -** conjunction-type-spatial,
  CTM - conjunction-type-manner, **CTCR** - conjunction-type-causal-
  Reason, **CTCP** - conjunction-type-causal-purpose,
  CTCC - conjunction-type-causal-condition}

3. CORP - tagged corpora

3.1 Description and content

Each corpus consists of two parts:

1. Text file containing the sequentially numbered coding units.
2. Coding table containing the feature values for each coding unit.

Appendix I contains the corpus CORP-Bu with the Bulgarian texts and coding table. As Bulgarian translation of the original *AutoCAD User's Guide* [AutoCAD (1995)] is not available, the corpus texts were translated especially for the purposes of

the AGILE project. A Bulgarian translation of another AutoCAD manual [Zirbel, J.H. and Combs, S.B. 1996)] was consulted during the translation. The corpus contains nine procedural texts with 1025 words and 194 coding units.

Appendix II contains the corpus CORP-Cz with the Czech texts and coding table. The corpus contains nine procedural texts with 1755 words and 276 coding units.

Appendix III contains the corpus CORP-Ru with the Russian texts and coding table. The corpus contains nine procedural texts with 1216 words and 197 coding units.

The results of corpora analysis are summarised in two tables of co-occurrences for each corpus - one table for the whole corpus and one table (a subset of the first one), covering only the procedure elements of the text plan (Goal, Step and Side-effect). This structuring of analysis results was chosen to highlight more clearly the intended differences in the strictly procedural chunks of text and the more descriptive functional chunks of text, expressing Precondition and Interrupt plan elements.

3.2 Tabular summary of co-occurrences

3.2.1 Bulgarian language

	G	P	S	E	I
Rank					
CL	**83.02%**	**50%**	**100%**	**100%**	**100%**
NGR	**16.98%**	**50%**	**0%**	**0%**	**0%**
PGR	**0%**	**0%**	**0%**	**0%**	**0%**
Process-type					
RP	**0%**	**7.69%**	**1.03%**	**0%**	**0%**
MNP	**1.89%**	**7.69%**	**0%**	**0%**	**0%**
VEP	**0%**	**0%**	**0%**	**0%**	**0%**
DMP	**92.45%**	**84.62%**	**98.97%**	**70%**	**100%**
NMP	**5.66%**	**0%**	**0%**	**30%**	**0%**
Finiteness					
FIN	**100%**	**100%**	**96.88%**	**100%**	**100%**
NFIN	**0%**	**0%**	**3.12%**	**0%**	**0%**
Polarity					
POS	**100%**	**92.86%**	**100%**	**98.97%**	**100%**
NEG	**0%**	**7.14%**	**0%**	**1.03%**	**0%**
Modality					
NMD	**90.91%**	**85.72%**	**97.92%**	**80%**	**100%**
MDZP	**0%**	**0%**	**0%**	**0%**	**0%**
MDZU	**0%**	**0%**	**0%**	**0%**	**0%**

MDLI	**2.27%**	**7.14%**	**0%**	**0%**	**0%**
MDLA	**6.82%**	**7.14%**	**1.04%**	**20%**	**0%**
MDLO	**0%**	**0%**	**1.04%**	**0%**	**0%**
Mood					
IMP	**13.64%**	**0%**	**86.46%**	**0%**	**60%**
INT	**0%**	**0%**	**0%**	**0%**	**0%**
IND	**86.36%**	**100%**	**13.54%**	**100%**	**40%**
Voice					
VMID	**2.27%**	**0%**	**0%**	**20%**	**0%**
VEFA	**97.73%**	**100%**	**100%**	**80%**	**100%**
VEFP	**0%**	**0%**	**0%**	**0%**	**0%**
Agency					
AGSU	**93.18%**	**85.72%**	**98.96%**	**50%**	**100%**
AGSP	**6.72%**	**4.28%**	**1.04%**	**50%**	**0%**
AGSA	**0%**	**0%**	**0%**	**0%**	**0%**
AGN	**0%**	**0%**	**0%**	**0%**	**0%**
AGG	**0%**	**0%**	**0%**	**0%**	**0%**
Clause compl.					
CCS	**2.27%**	**13.33%**	**42.71%**	**20%**	**0%**
CCC	**97.73%**	**86.67%**	**57.29%**	**80%**	**100%**
Clause depend.					
NDC	**22.73%**	**20%**	**88.54%**	**80%**	**60%**
DCT	**15.91%**	**46.67%**	**0%**	**0%**	**20%**
NDCT	**61.36%**	**33.33%**	**11.46%**	**20%**	**20%**
Clause taxis					
PRC	**8.82%**	**8.33%**	**52.17%**	**50%**	**33.33%**
HRC	**91.18%**	**91.67%**	**47.83%**	**50%**	**66.67%**
Conjunction					
CTAD	**5.88%**	**0%**	**30%**	**50%**	**0%**
CTAL	**2.95%**	**10%**	**30%**	**0%**	**33.33%**
CTT	**0%**	**60%**	**0%**	**0%**	**0%**
CTS	**0%**	**0%**	**5%**	**0%**	**0%**
CTM	**0%**	**0%**	**35%**	**0%**	**0%**
CTCR	**0%**	**0%**	**0%**	**0%**	**0%**
CTCP	**85.29%**	**0%**	**0%**	**50%**	**66.67%**
CTCC	**5.88%**	**30%**	**0%**	**0%**	**0%**

Figure 10. Co-occurrences for the whole corpus - Bulgarian language

	G	S	E
Rank			
CL	**83.02%**	**100%**	**100%**
NGR	**16.98%**	**0%**	**0%**
PGR	**0%**	**0%**	**0%**
Process-type			
RP	**0%**	**1.03%**	**0%**
MNP	**1.89%**	**0%**	**0%**
VEP	**0%**	**0%**	**0%**
DMP	**92.45%**	**98.97%**	**70%**
NMP	**5.66%**	**0%**	**30%**
Finiteness			
FIN	**100%**	**96.88%**	**100%**
NFIN	**0%**	**3.12%**	**0%**
Polarity			
POS	**100%**	**100%**	**98.97%**
NEG	**0%**	**0%**	**1.03%**
Modality			
NMD	**90.91%**	**97.92%**	**80%**
MDZP	**0%**	**0%**	**0%**
MDZU	**0%**	**0%**	**0%**
MDLI	**2.27%**	**0%**	**0%**
MDLA	**6.82%**	**1.04%**	**20%**
MDLO	**0%**	**1.04%**	**0%**
Mood			
IMP	**13.64%**	**86.46%**	**0%**
INT	**0%**	**0%**	**0%**
IND	**86.36%**	**13.54%**	**100%**
Voice			
VMID	**2.27%**	**0%**	**20%**
VEFA	**97.73%**	**100%**	**80%**
VEFP	**0%**	**0%**	**0%**
Agency			
AGSU	**93.18%**	**98.96%**	**50%**

AGSP	**6.72%**	**1.04%**	**50%**
AGSA	**0%**	**0%**	**0%**
AGN	**0%**	**0%**	**0%**
AGG	**0%**	**0%**	**0%**
Clause compl.			
CCS	**2.27%**	**42.71%**	**20%**
CCC	**97.73%**	**57.29%**	**80%**
Clause depend.			
NDC	**22.73%**	**88.54%**	**80%**
DCT	**15.91%**	**0%**	**0%**
NDCT	**61.36%**	**11.46%**	**20%**
Clause taxis			
PRC	**8.82%**	**52.17%**	**50%**
HRC	**91.18%**	**47.83%**	**50%**
Conjunction			
CTAD	**5.88%**	**30%**	**50%**
CTAL	**2.95%**	**30%**	**0%**
CTT	**0%**	**0%**	**0%**
CTS	**0%**	**5%**	**0%**
CTM	**0%**	**35%**	**0%**
CTCR	**0%**	**0%**	**0%**
CTCP	**85.29%**	**0%**	**50%**
CTCC	**5.88%**	**0%**	**0%**

Figure 11. Co-occurrences for procedures only - Bulgarian language

The analysis of co-occurrence tables allows making the following conclusions about the sublanguage used in Bulgarian software manuals:

- The great majority of the rank units are clauses and the rest are nominal groups. The prepositional groups do not occur in instructional texts of the corpus.
- The processes are exclusively of the directed-material type. Sometimes relational, mental, and not-material processes are found in the corpus. The only kind of process not present in it is verbal process.
- Finite and positive polarity predominate over non-finite and negative polarity features in this particular sublanguage.
- Most of the analysed clauses are non-modal. In the case when modality is expressed in the clause it is of the ability, inclination and obligation type.
- The mood is usually realised by an imperative clause.

- The voice is active, although a few instances of middle were counted. The passive voice was not found in instructional texts at all.

- The user is the most frequent agent, the alternative is program objects appearing as agents.

- Most of the text units are members of a complex clause. The interdependency between the complex clauses is as likely to be paratactic as hypotactic. The hypotactic relation is realised mainly by a manner or purpose conjunction, although condition and temporal conjunctions occur as well. Paratactic relation is realised by the additive and alternative conjunctions.

The summary table of the occurrence of a particular lexico-grammatical feature in each plan element shows the following correlation between plan elements and lexico-grammatical features:

- The Goal is realized mostly by a clause (83%), the alternative realization is by a nominal group (17%) particularly for top-level goals. In the Precondition plan element the distribution between clause (50%) and nominal group (50%) is even. Steps, Effect and Interrupt are realized exclusively be clauses (100%).

- Directed-material process overwhelmingly expresses all the plan elements. It is the only type of process for Interrupt (100%). There are few occurrences of mental process in Goal (2%) and Precondition (8%), and non-material process in Goal (6%) and Effect (30%).

- The plan elements are expressed usually by means of a finite clause, just 3,2% of Step are realized by a nonfinite clause. The figures are similar for Polarity, since the plan elements are realized mainly by positive clauses, with the exception of Precondition, which admits negative polarity in 7%, and Effect in 1% of the cases.

- The overwhelming majority of the clauses in our corpus have no expression for modality. There are a few instances of inclination in Goal (2%) and Precondition (7%) and ability again in Goal (7%) and Precondition (7%). Ability hardly occurs in Step (1%), but is quite frequent in Effect (20%). Interrupt is the only plan element which does not admit modals at all (100% nonmodal).

- The mood in Goal (86%), Precondition (100%), Effect (100%) is imperative, and in Step (86%) and Interrupt (60%) is indicative. There are no occurrences of interrogative mood in procedural texts.

- The most frequent expression for the plan elements in terms of voice is active voice, the alternative for active voice in Goal and Effect is middle voice. Instances of passive voice were not found in procedures.

- The user is the agent of the clause in 93% in Goal, 86% in Precondition, 99% in Step, and 100% in Interrupt. The agent can be either user (50%) or program (50%) in Effect.

- All the clauses in Interrupt are complex clauses (100%). In the rest of the plan elements both kinds of clauses appear. The Goal is expressed by a simple clause in 2% of the cases, the Precondition in 13%, the Step in 42% and the Effect in 20%.

- Most of the clauses in Goal are notthematized dependent clauses (61%). In Precondition thematized dependent clauses predominate (47%). In Step there are no occurrences of thematized dependent clauses, mainly notdependent clauses (89%) or notthematized dependent clauses (11%) express the interdependency between clauses. Effect is never realized by thematized dependent clauses, most of the instances are notdependent clauses (80%) and 20% are realized by nothematized dependent clauses. In Interrupt the correlation is notdependent clauses (60%) versus thematized dependent (20%) and notthematized dependent clauses (20%).

- Goals are usually expressed by paratactic additive (6%) or alternative (3%) conjunctions, as well as by hypotactic purpose (85%) or condition (6%) conjunction. Precondition is realised by alternative (10%), temporal (60%), condition (30%) conjunctions. The usual conjunctions appearing in Step are additive (30%), alternative (30%), spatial (5%) or manner (35%). The realization of Effect in terms of conjunction is distributed evenly between additive paratactic (50%) and purpose hypotactic (50%). Most conjunctions in Interrupt are hypotactic expressing purpose (66%), some of the conjunctions are alternative (33%).

The comparison of Figure 10 and Figure 11 shows the following differences between the LGF distribution over strictly procedural plan elements procedure-related plan elements (Precondition, Interrupt):

- While the text units in the corpus are mostly clauses, in the Precondition plan element the distribution between clause (50%) and nominal group (50%) is even.

- In contrast to the other plan elements Interrupt is the only one which does not admit modals at all (100% nonmodal).

- In contrast to the other plan elements Interrupt text chunks use indicative mood (60%).

- All the clauses in Interrupt text chunks are complex clauses (100%).

3.2.2 Czech language

	G	P	S	E	I
Rank	100	100	100	100	
CL	36	63	96	100	
NGR	12	33	3	0	
PGR	52	4	0	0	
Process-type	100	100	100	100	
RP	0	65	2	17	
MNP	0	0	0	0	
VEP	0	2	0	0	

DMP	99	31	95	57	
NMP	1	2	3	26	
Finiteness	100	100	100	100	
FIN	97	100	100	100	
NFIN	3	0	0	0	
Polarity	100	100	100	100	
POS	97	97	99	91	
NEG	3	3	0	9	
Modality	100	100	100	100	
NMD	98	88	92	96	
MDZP	0	0	0	0	
MDZU	0	0	0	0	
MDLI	0	4	0	0	
MDLA	2	4	5	4	
MDLO	0	4	3	0	
Mood	100	100	100	100	
IMP	87	0	77	0	
INT	0	0	0	0	
IND	13	100	23	100	
Voice	100	100	100	100	
VMID	0	0	2	13	
VEFA	100	90	97	70	
VEFP	0	10	0	17	
Agency	100	100	100	100	
AGSU	36	34	85	48	
AGSP	0	6	9	13	
AGSA	0	9	0	9	
AGN	64	51	5	30	
AGG	0	0	0	0	
Clause compl.	100	100	100	100	
CCS	50	10	65	26	
CCC	50	90	35	74	
Clause depend.	100	100	100	100	
NDC	97	10	99	100	
DCT	3	47	0	0	
NDCT	0	43	0	0	
Clause taxis	100	100	100	100	

PRC	**0**	**4**	**95**	**100**	
HRC	**100**	**96**	**5**	**0**	
Conjunction	**100**	**100**	**100**	**100**	
CTAD	**83**	**6**	**50**	**100**	
CTAL	**0**	**0**	**50**	**0**	
CTT	**0**	**24**	**0**	**0**	
CTS	**0**	**0**	**0**	**0**	
CTM	**0**	**0**	**0**	**0**	
CTCR	**0**	**0**	**0**	**0**	
CTCP	**17**	**6**	**0**	**0**	
CTCC	**0**	**65**	**0**	**0**	

Figure 12 Co-occurrences for the whole corpus - Czech language

	G	**S**	**E**
Rank	**100**	**100**	**100**
CL	**35**	**100**	**100**
NGR	**13**	**0**	**0**
PGR	**52**	**0**	**0**
Process-type	**100**	**100**	**100**
RP	**0**	**0**	**0**
MNP	**0**	**0**	**0**
VEP	**0**	**0**	**0**
DMP	**99**	**96**	**73**
NMP	**1**	**4**	**27**
Finiteness	**100**	**100**	**100**
FIN	**96**	**100**	**100**
NFIN	**4**	**0**	**0**
Polarity	**100**	**100**	**100**
POS	**96**	**100**	**87**
NEG	**4**	**0**	**13**
Modality	**100**	**100**	**100**
NMD	**100**	**96**	**100**
MDZP	**0**	**0**	**0**
MDZU	**0**	**0**	**0**
MDLI	**0**	**0**	**0**

MDLA	**0**	**2**	**0**
MDLO	**0**	**1**	**0**
Mood	**100**	**100**	**100**
IMP	**96**	**94**	**0**
INT	**0**	**0**	**0**
IND	**4**	**6**	**100**
Voice	**100**	**100**	**100**
VMID	**0**	**2**	**0**
VEFA	**100**	**96**	**86**
VEFP	**0**	**1**	**14**
Agency	**100**	**100**	**100**
AGSU	**35**	**98**	**67**
AGSP	**0**	**0**	**7**
AGSA	**0**	**1**	**13**
AGN	**65**	**1**	**13**
AGG	**0**	**0**	**0**
Clause compl.	**100**	**100**	**100**
CCS	**100**	**71**	**20**
CCC	**0**	**29**	**80**
Clause depend.	**100**	**100**	**100**
NDC	**100**	**100**	**100**
DCT	**0**	**0**	**0**
NDCT	**0**	**0**	**0**
Clause taxis		**100**	**100**
PRC		**100**	**100**
HRC		**0**	**0**
Conjunction	**100**	**100**	**100**
CTAD	**100**	**53**	**100**
CTAL	**0**	**47**	**0**
CTT	**0**	**0**	**0**
CTS	**0**	**0**	**0**
CTM	**0**	**0**	**0**
CTCR	**0**	**0**	**0**
CTCP	**0**	**0**	**0**
CTCC	**0**	**0**	**0**

Figure 13 Co-occurrences for procedures only - Czech language

Comments on Czech corpus statistics - results for procedures only (Figure 4):

- Classified by rank, most text units are clausal (69%), followed by prepositional phrases (12%) and noun phrases (9%). Most clauses describe steps (59%); clauses are actually the only option for expressing steps and also side effects. All prepositional phrases express goals, while preconditions are expressed either by clauses or noun phrases.
- Classified by process type, most processes are of the directed-material type (84%), followed by relational type (11%) and nondirected-material type (5%). Only preconditions are expressed by relational type, all goals but one are expressed by directed material type, which is also used for describing most steps.
- The overwhelming majority of relevant text units are finite (of the clausal units all except one), positive (97%) and non-modal (94%). There are 4 instances of modality as ability and 2 as obligation. Most clausal elements are in the imperative mood (74%), which express either steps or goals. The indicative mood is mostly used for preconditions and side effects. Similarly, the clauses exhibit a clear preference for the active voice: 94%.
- In the classification by agency type the distribution favours the user as the agent (61%), followed by a non-specified agent (34%). In the marginal rest of cases the agent is an activity and a program. In the user-as-agent type, the distribution among plan elements corresponds to the general case of a finite clause, while in the agent-not-specified case the prevalent plan element is goal, followed by precondition.
- Most text units are members of a simple clause (65%). In the complex clauses, the elements are mostly paratactically related (58%); hypotactic relation is represented by the remaining 42%. The paratactic relation is used for describing steps (71%) and side effects; the hypotactic relation is used only for preconditions. Most conjunctions are of the additive type (53%), followed by alternative (19%), causal-conditional (19%), temporal and causal-purpose types.

Results for the whole corpus (Figure 3):

- The distribution of data in the whole corpus is to a large extent parallel to the distribution of data on procedures. The only marked difference is in the higher share of indicative mood clauses: 43% as compared to 26% in the case of procedures. The increase is mainly due to the indicative clauses describing steps (6 times as many) and preconditions (almost twice as many).

3.2.3 Russian language

	G	P	S	E	I
Rank	100	100	100	100	100
CL	88		97	100	100
NGR			2	0	0
PGR	52	100	1	0	0
Process-type	100	100	100	100	

RP	0	65	2	17	
MNP	0	0	0	0	
VEP	0	2	0	0	
DMP	99	31	95	57	
NMP	1	2	3	26	
Finiteness	100	100	100	100	100
FIN	15,5		96	100	50
NFIN	84,5	100	4	0	50
Polarity	100	100	100	100	
POS	100	100	86	100	
NEG			14		
Modality	100	100	100	100	100
NMD	99	100	97	71	100
MDZP	0	0	0	0	0
MDZU	0	0	0	0	0
MDLI	0	0	0	0	0
MDLA	1	0	3	29	0
MDLO	0	0	0	0	0
Mood	100		100	100	100
IMP	100		93	0	100
INT	0		0	0	0
IND	0		17	100	0
Voice	100	100	100	100	100
VMID	0	0	0	0	0
VEFA	100	100	85	86	100
VEFP	0	0	15	14	0
Agency	100	100	100	100	100
AGSU	16	0	90,5	48	50
AGSP	0	0	1,5	18	0
AGSA	0	0	0		0
AGN	84	100	8	14	50
AGG	0	0	0	0	0
Clause compl.	100	100	100	100	100
CCS	4	0	41,5	100	0
CCC	96	100	58,5	0	100
Clause depend.	100	100	100	100	
NDC	97	10	99	100	

DCT	3	47	0	0	
NDCT	0	43	0	0	
Clause taxis	100	100	100		100
PRC	5	0	73		0
HRC	95	100	27		100
Conjunction	100	100	100		100
CTAD	2,6	0	21		0
CTAL	2,6	0	53		0
CTT	0	100	16		0
CTS	0	0	0		0
CTM	0	0	5		0
CTCR	0	0	0		0
CTCP	94,8	0	5		100
CTCC	0	0	0		0

Figure 14 Co-occurrences for the whole corpus - Russian language

	G	S	E
Rank	100	100	100
CL	88	97	100
NGR		2	0
PGR	52	1	0
Process-type	100	100	100
RP	0	2	17
MNP	0	0	0
VEP	0	0	0
DMP	99	95	57
NMP	1	3	26
Finiteness	100	100	100
FIN	15,5	96	100
NFIN	84,5	4	0
Polarity	100	100	100
POS	100	86	100
NEG		14	
Modality	100	100	100
NMD	99	97	71
MDZP	0	0	0

MDZU	**0**	**0**	**0**
MDLI	**0**	**0**	**0**
MDLA	**1**	**3**	**29**
MDLO	**0**	**0**	**0**
Mood	**100**	**100**	**100**
IMP	**100**	**93**	**0**
INT	**0**	**0**	**0**
IND	**0**	**17**	**100**
Voice	**100**	**100**	**100**
VMID	**0**	**0**	**0**
VEFA	**100**	**85**	**86**
VEFP	**0**	**15**	**14**
Agency	**100**	**100**	**100**
AGSU	**16**	**90,5**	**48**
AGSP	**0**	**1,5**	**18**
AGSA	**0**	**0**	
AGN	**84**	**8**	**14**
AGG	**0**	**0**	**0**
Clause compl.	**100**	**100**	**100**
CCS	**4**	**41,5**	**100**
CCC	**96**	**58,5**	**0**
Clause depend.	**100**	**100**	**100**
NDC	**97**	**99**	**100**
DCT	**3**	**0**	**0**
NDCT	**0**	**0**	**0**
Clause taxis	**100**	**100**	
PRC	**5**	**73**	
HRC	**95**	**27**	
Conjunction	**100**	**100**	
CTAD	**2,6**	**21**	
CTAL	**2,6**	**53**	
CTT	**0**	**16**	
CTS	**0**	**0**	
CTM	**0**	**5**	
CTCR	**0**	**0**	
CTCP	**94,8**	**5**	
CTCC	**0**	**0**	

Figure 15 Co-occurrences for procedures only - Russian language

Comments on Russian corpus statistics:

- Classified by rank, most text units are clausal (94%), followed by prepositional phrases (5%) and noun phrases (1%). Most clauses describe steps (63%); clauses are actually the only option for expressing side effects, while most prepositional phrases express goals. Nominal groups are used to express steps.
- All the processes are of the directed-material type (100%).
- The overwhelming majority of relevant text units are finite (68%), positive (97%) and non-modal (92%). There are 6 instances of modality as ability. Most clausal elements are in the imperative mood (88%), which express either steps or goals. The indicative mood is used for steps and side effects. Similarly, the clauses exhibit a clear preference for the active voice: 90%.
- In the classification by agency type the distribution favours the user as the agent (74%), followed by a non-specified agent (35%). In the marginal rest of cases the agent is a program. In the user-as-agent type, the distribution among plan elements corresponds to the general case of a finite clause, while in the agent-not-specified case the prevalent plan element is goal.
- Most text units are members of a complex clause (58%) as the main or dependent clause of the complex. In the complex clauses, the elements are mostly hypotactically related (71%), paratactic relation is represented by the remaining 39%. The paratactic relation is used for describing steps (71%) and the hypotactic relation is used mostly for goals. Most conjunctions are of the causal-purpose type (76%), followed by alternative (22%).

4. Conclusion

4.1 Contrastive analysis of the corpora co-occurrence tables

The corpora analysis conducted on Bulgarian, Czech and Russian instructional texts from the CAD/CAM domain has shown the similarities and differences between the linguistic resources needed for each language.

- In procedural texts the top-level goal is expressed as nominalization, except for Russian, where it is expressed by a non-finite clause.
- The actions to be performed are realized by imperatives in Russian and Bulgarian. In Czech indicative is also used in 25% of cases, especially for Precondition and Side-effect.
- The actions are mainly material-directed processes. The Russian corpus uses exclusively material-directed processes (100%). In Bulgarian and Czech corpora mental and relational processes also occur.
- The similarity of the three languages is very high with respect to the features: positive, active process and non-modal (more than 90%). The differences

arises mainly in the use of Finiteness: Bulgarian and Czech tend to employ mostly finite forms, while Russian employs 32% infinite forms.

- The Czech corpus shows preference for simple clauses (65%). In the Bulgarian and Russian corpora the majority of clauses are complex. The relation between complex clauses in Russian and Bulgarian corpora is mainly hypotactic, while in Czech corpus paratactic and hypotactic relations are evenly distributed.

4.2 Further work on corpora

The linguistic resources of the corpora proved to be quite limited concerning the lexico-grammatical features. This leads to a simplified text plan. The further development of linguistic resources for the project would permit to generate more complex, more natural texts and varied styles. It would require the enrichment of text plans as well. During the next project phase the corpora tagging is intended to be further extended to include more characteristics e.g. expressing the discourse structure of software instructional texts. Further work on corpora will be performed under WP5 "Text structuring".

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Appendix I CORP-BU

1. Чертане на линия
2. Стартирайте командата LINE
1. като използвате един от тези методи
2. Под Windows
3. От плаващото меню LINE на функционалния ред Draw изберете Line
4. Под DOS и UNIX
5. От менюто Draw изберете Line
6. Задайте начална точка
7. Задайте крайна точка
8. Задайте началната точка на следващия сегмент
9. Натиснете Return
10. за да завършите линията
11. или въведете c
12. за да свържете началната точка на първия сегмент с крайната точка на последния сегмент
13. За да изтриете предишния сегмент на линията по време на командата LINE
14. въведете u
15. Можете да започнете нова линия от крайната точка на последната начертана линия
16. като отново стартирате командата LINE
17. и натиснете Return на командния ред Start point

18. Чертане на полилиния с прави сегменти
19. Стартирайте командата PLINE
20. като използвате един от следните методи
21. Под Windows
22. От плаващото меню на функционалния ред Draw изберете Polyline
23. Под DOS и UNIX
24. От менюто Draw изберете Polyline
25. Задайте началната точка на полилинията
26. Задайте крайната точка на всеки сегмент на полилинията

27. Натиснете Return
28. за да завършите
29. или въведете с
30. за да затворите полилинията

31. Чертане на полилиния с комбинация от линии и дъги
32. Първо начертайте сегмента на линията
33. Стартирайте командата LINE
34. като използвате един от тези методи
35. Под Windows
36. От плаващото меню POLYLINE на функционалния ред Draw изберете Polyline
37. Под DOS и UNIX
38. От менюто Draw изберете Polyline
39. Задайте началната точка на сегмента на линията
40. Задайте крайната точка на сегмента на линията
41. Въведете a
42. за да превключите на режима Arc
43. Задайте крайната точка на дъгата
44. Въведете I
45. за да се върнете на режима Line
46. Въведете разстояние и ъгъл на линията по отношение на крайната точка на дъгата
47. Можете да въведете тези относителни стойности под формата на @distance<angle
48. в този случай трябва да въведете @3<100
49. Натиснете Return
50. за да завършите полилинията
51. След като сте създали полилиния
52. можете да я редактирате с PEDIT
53. или да използвате EXPLODE
54. за да я превърнете в самостоятелни линии и дъги

55. Създаване вид на мултилиния
56. Отворете диалоговия прозорец с име Multiline Styles

57. използвайки един от следните методи
58. Под Windows
59. От функционалния ред с име Object properties или менюто Data изберете Multiline Styles
60. Под DOS и UNIX
61. От менюто Data изберете Multiline Styles
62. За да прибавяте елементи към стила
63. изберете Element properties
64. Въведете отместването на елементите на линиите в диалоговия прозорец Element properties до Offset
65. Изберете Add
66. за да добавите елемент
67. Изберете елемент
68. Изберете Color
69. След това изберете цвета на елемента от диалоговия прозорец Select Color
70. Изберете елемент
71. Изберете Linetype
72. След това изберете вида на линията на елемента от диалоговия прозорец Select Linetype
73. Изберете OK
74. за да запишете характеристиките на елементите на мултилинията
75. и излезте от диалоговия прозорец Element properties
76. За да добавите други елементи към мултилинията
77. повторете стъпките 4-7
78. Елементите се появяват в диалоговия прозорец Multiline Styles

79. Задаване характеристики на цялата мултилиния
80. Изберете Multiline Properties в диалоговия прозорец Multiline Styles
81. Изберете Display Joints
82. за да се появят линии във върховете на мултилинията
83. В подменю Caps изберете линия или дъга за всеки край на мултилинията
84. И въведете ъгъл
85. В подменю Fill изберете On
86. за да се покаже цвета на фона
87. Този цвят не се показва в пиктограмата на диалоговия прозорец Multiline Styles

88. Изберете Color

89. След това изберете цвят за фон от диалоговия прозорец Select Color

90. Изберете OK

91. за да се върнете в диалоговия прозорец Multiline Styles

92. Чертане на мултилиния

93. Стартирайте командата MLINE

94. използвайки един от следните методи

95. Под Windows

96. От плаващото меню Polyline на функционалния ред Draw изберете Multilin

97. Под DOS и UNIX

98. От менюто Draw изберете Multiline

99. Въведете st

100.за да изберете вида на линията

101.Въведете името на вида линия или ?

102.за да получите списъка на достъпните видове линии

103.За да видите всички видове линии

104.натиснете Return върху Styles

105.Въведете j за подравняване на мултилинията

106.и изберете горно, нулево или долно подравняване

107.Въведете s и число

108.за да промените мащаба на мултилинията

109.Сега начертайте мултилинията

110.Задайте първата точка на мултилинията

111.Задайте втората точка на мултилинията

112.Задайте третата точка на мултилинията

113.или въведете u

114.за да премахнете втората точка

115.или натиснете Return

116.за да завършите мултилинията

117.Задайте четвъртата точка

118.или въведете c

119.за да затворите мултилинията

120.или натиснете Return

121.за да я завършите

122.Чертане на описан шестоъгълник

123.Стартирайте командата POLYGON с един от следните методи

124.Под Windows

125.От плаващото меню на функционалния ред изберете Polygon

126.Под DOS и UNIX

127.От менюто Draw изберете Polygon

128.След това изберете Polygon

129.Въведете 6 за броя на страните

130.Определете центъра на шестоъгълника

131.Въведете с

132.за да посочите многоъгълник, описан около окръжност

133.Определете дължината на радиуса

134.След като сте създали многоъгълник

135.можете да го редактирате с Pedit

136.или да го превърнете в самостоятелни сегменти от линии с EXPLORE

137.Чертане и записване на линии, начертани със свободна ръка

138.Стартирайте командата SKETCH

139.използвайки един от тези методи

140.Под Windows

141.От функционалния ред Miscellaneous изберете SKETCH

142.Под DOS и UNIX

143.От менюто Draw изберете SKETCH

144.Въведете минималната дължина на сегмента на линията

145.Натиснете избиращия бутон на вашето посочващо устройство

146.за да поставите “молива” долу

147.Когато преместите посочващото устройство

148.AUTOCAD ще начертае временен сегмент на линията с дължина

149.която вие сте му задали

150.SKETCH не възприема въвеждане на координати

151.Натиснете отново бутона

152.за да вземете "молива"

153.така ще можете да местите курсора по екрана

154.без да чертаете

155.Натиснете отново бутона

156.за да довършите чертежа от новото място на курсора

157.Въвеждайте r по всяко време

158.за да съхраните в базата данни линията

159.която чертаете

160.и линиите

161. които вече сте начертали

162.Ако “моливът” е сложен

163.можете да продължите да чертаете

164.след като сте записали

165.Ако "държите" молива

166.натиснете бутона

167.за да завършите чертежа

168.Линията, начертана със свободна ръка ще започне от мястото

169.където се намира курсора в момента на натискане на бутона

170.Натиснете Return

171.за да завършите скицата

172.и за да запишете всички незаписани линии

1. Триене на линии, начертани със свободна ръка
2. Въведете е за Erase
3. независимо дали държите “молива”
4. или не
5. Ако “моливът” е долу
6. той ще се премести нагоре
7. Преместете курсора в края на линията,
8. която сте нарисували последна
9. и след това го върнете по линията на мястото,
10. което искате да изтриете
11. За да завършите изтриването
12. и да се върнете на командния ред на командата SKETCH
13. въведете р

14. Ако искате да отмените изтриването
15. въведете e
16. След като вече сте записали свободно начертаните линии
17. можете да редактирате
18. и триете с опцията Erase
19. Използвайте командата Erase
20. след като приключите скицирането

CODING TABLE - BULGARIAN CORPUS

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
1.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
2.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
3.	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
4.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
5.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
6.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
7.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
8.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
9.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
10.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
11.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
12.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
13.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
14.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
15.	TFP	I	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCP
16.	TFP	I	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
17.	TFP	G	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	-	-
18.	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
19.	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	PRC	CTAD
20.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
21.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
22.	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
23.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
24.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
25.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
26.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
27.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
28.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
29.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
30.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
31.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
32.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
33.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
34.	TP	P	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
35.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
36.	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
37.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
38.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
39.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
40.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
41.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
42.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
43.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
44.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
45.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
46.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	HRC	-
47.	TP	G	CL	NMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
48.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
49.	TP	S	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	-	-
50.	TP	S	CL	DMP	FIN	POS	MDLO	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
51.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
52.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
53.	TFP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT
54.	TFP	G	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
55.	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAL
56.	TFP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
57.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
58.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
59.	TP	S	CL	DMP	NFIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
60.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
61.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
62.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
63.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
64.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCP
65.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
66.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
67.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
68.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
69.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
70.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
71.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
72.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
73.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
74.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
75.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
76.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
77.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
78.	TFP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCP
79.	TFP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
80.	TFP	E	CL	NMP	FIN	POS	NMD	IND	VMID	AGSP	CCS	NDC	-	-
81.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
82.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
83.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
84.	TP	G	CL	NMP	FIN	POS	NMD	IND	VMID	AGSP	CCC	NDCT	HRC	CTCP
85.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
86.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
87.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
88.	TP	G	CL	NMP	FIN	POS	NMD	IND	VMID	AGSP	CCC	NDCT	HRC	CTCP
89.	TP	E	CL	NMP	FIN	NEG	NMD	IND	VMID	AGSP	CCS	NDC	-	-
90.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
91.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
92.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
93.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
94.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
95.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
96.	TP	S	CL	DMP	NFIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
97.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
98.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
99.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
100.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
101.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
102.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
103.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
104.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
105.	TP	G	CL	MNP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCP
106.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
107.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
108.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
109.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
110.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
111.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
112.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
113.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
114.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
115.	TP	I	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
116.	TP	I	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
117.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
118.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
119.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
120.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
121.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
122.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
123.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
124.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
125.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
126.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
127.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
128.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
129.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
130.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
131.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
132.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
133.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
134.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
135.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
136.	TFP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT
137.	TFP	G	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	-	-
138.	TFP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAL
139.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
140.	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
141.	TP	S	CL	DMP	NFIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTM
142.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
143.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
144.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
145.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
146.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
147.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
148.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
149.	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
150.	TP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDC	-	-
151.	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	-
152.	TP	P	CL	MNP	FIN	NEG	NMD	IND	VEFA	AGSP	CCS	NDC	-	-
153.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
154.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
155.	TP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
156.	TP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
157.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
158.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
159.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
160.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
161.	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	-
162.	TP	P	NGR	-	-	-	-	-	-	-	-	-	-	-
163.	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	-
164.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	DCT	HRC	CTCC
165.	TP	P	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	-	-
166.	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTT
167.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCC
168.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
169.	TP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
170.	TP	E	CL	NMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDC	-	-
171.	TP	S	CL	RP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDCT	HRC	CTS
172.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
173.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
174.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	PRC	CTAD
175.	TP	G	NGR	DMP	-	-	-	-	-	-	-	-	-	-
176.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
177.	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCC
178.	TP	P	CL	-	-	-	-	-	-	-	CCC	NDCT	PRC	CTAL
179.	TP	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	DCT	HRC	CTCC
180.	TP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDC	-	-
181.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
182.	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	-
183.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
184.	TP	G	CL	DMP	FIN	POS	MDLI	IND	VEFA	AGSU	CCC	NDCT	HRC	-
185.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCP
186.	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	PRC	CTAD
187.	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
188.	TP	P	CL	DMP	FIN	POS	MDLI	IND	VEFA	AGSU	CCC	DCT	HRC	CTCC

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
189.	TP	I	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
190.	TFP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT
191.	TFP	E	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	-	-
192.	TFP	E	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
193.	TFP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
194.	TFP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT

Appendix II CORP-CZ

1. **Kreslení úsečky**
2. **1** Spusťte příkaz *ÚSEČKA* jedním z těchto způsobů*:*
3. **Windows**
4. Z plovoucího ikonového menu Úsečka na nástrojovém panelu Kresli vyberte *Úsečka*.
5. **DOS a UNIX**
6. Z menu Kresli vyberte *Úsečka*.
7. **2** Určete počáteční bod.
8. **3** Určete koncový bod.
9. **4** Určete koncový bod dalšího segmentu (3, 4, 5).
10. **5** Pro ukončení úsečky
11. stiskněte ENTER,
12. nebo zadejte **u**
13. pro uzavření,
14. t.j. pro spojení počátečního bodu prvního segmentu s koncovým bodem (6) posledního segmentu.
15. Pro vrácení zpět posledního segmentu během příkazu Úsečka
16. zadejte z.
17. Novou úsečku můžete začít v koncovém bodu (6) poslední nakreslené úsečky
18. stisknutím ENTER
19. při dotazu na Počáteční bod.
20. **Na příkazové řádce** ÚSEČKA
21. **Příbuzné příkazy**
22. KŘIVKA kreslí polyúsečku složenou ze segmentů úseček a oblouků,
23. jejíž forma je jeden objekt.
24. MČÁRA kreslí několikanásobné souběžné úsečky.
25. EKVID vytváří ekvidistantní kopie úseček v určité vzdálenosti na určitou stranu nebo procházející určitým bodem
26. TYPČ nastavuje aktuální typ čáry.

27. **Kreslení křivky s rovnými segmenty**
28. **1** Spusťte příkaz KŘIVKA jedním z následujících způsobů:

29. **Windows**

30. Z plovoucího ikonového menu Křivka na nástrojovém panelu Kresli vyberte *Křivka*.

31. **DOS a UNIX**

32. Z menu Kresli vyberte *Křivka.*

33. **2** Určete první bod křivky.

34. **3** Určujte koncový bod pro každý segment křivky.

35. **4** Stiskněte ENTER

36. pro ukončení

37. nebo **{**stiskněte**} u**

38. pro uzavření křivky.

39. **Na příkazové řádce** KŘIVKA

40. **Příbuzné příkazy**

41. ÚSEČKA vytváří jednoduché nebo vícenásobné úsečkové segmenty,

42. které jsou samostatné objekty.

43. MČÁRA vytváří souběžné úsečky.

44. V dalším příkladu si nakreslíte rovný segment křivky,

45. na který navazuje obloukový segment,

46. pak nakreslíte jiný rovný úsek v tečném směru.

47. Budete definovat poloměr, úhel vyplnění a koncový bod oblouku.

48. Úhel vyplnění je úhel vytvořený pomocí třetího bodu a druhého bodu a kladné části osy X.

49. {třetího bodu} který určíte

50. Nakreslení křivky kombinované z přímek a oblouků

51. Nejdříve nakreslíme rovný segment.

52. **1** Spusťte příkaz KŘIVKA jedním z následujících způsobů:

53. **Windows**

54. Z plovoucího ikonového menu Křivka na nástrojovém panelu Kresli vyberte *Křivka*.

55. **DOS a UNIX**

56. Z menu Kresli vyberte *Křivka.*

57. **2** Určete první bod rovného segmentu (1).

58. **3** Určete koncový bod rovného segmentu (2).

59. **4** Pro přepnutí do režimu kreslení oblouků

60. zadejte **o**.

61. **5** Určete koncový bod oblouku (3).

62. **6** Zadejte **e**
63. pro návrat do režimu kreslení úseček.
64. **7** Zadejte vzdálenost a úhel úsečky ve vztahu ke koncovému bodu oblouku.
65. Můžete zadat tyto relativní hodnoty ve formě *@vzdálenost<úhel*
66. (v tomto případě, raději zadejte **@3<100**).
67. **8** Stiskněte ENTER
68. pro ukončení křivky.
69. Poté co vytvoříte křivku,
70. ji můžete editovat pomocí příkazu KEDIT
71. nebo použít příkaz ROZLOŽ
72. pro přeměnění křivky na jednotlivé úsečky a obloukové segmenty.
73. Při rozkládání široké křivky
74. se šířka čáry změní na 0
75. a výsledná křivka je umístěna podél středu
76. kde byla křivka.
77. Viz strana 181, "Rozložení objektů"

78. Vytvoření stylu multičáry

79. **1** Otevřete dialogový panel Styly multičár jednou z následujících metod:
80. **Windows**
81. Z nástrojového panelu Vlastnosti objektů nebo z menu Data vyberte *Styl mutičáry*.
82. **DOS a UNIX**
83. Z menu Data vyberte *Styl multičáry.*
84. **2** Vyberte *Vlastnosti prvků*
85. pro přidání elementů ke stylu.
86. **3** V dialogovém panelu Vlastnosti prvků pod *Ekvidistanta*, zadejte rozměr posunutí-mutičáry.
87. Tento rozměr definuje počátek 0,0 multičáry, relativně ke všem ostatním nakresleným elementům.
88. Element nemusí být nakreslen v počátku.
89. **4** Vyberte *Přidat*
90. pro přidání elementu.
91. **5** Zvolte element.
92. **6** Vyberte *Barva*.
93. Poté zvolte barvu elementu z dialogového panelu Výběr barvy.

94. **7** Zvolte element.
95. **8** Vyberte *Typ čáry*.
96. Poté zvolte typ čáry daného elementu z dialogového panelu Výběr typů čar.
97. **9** Vyberte OK
98. pro uložení vlastností elementu multičáry
99. a opuštění dialogového panelu Vlastnosti multičáry.
100. Pro vytvoření více elementů v multičáře (max 16),
101. opakujte kroky 4 až 7.
102. Elementy budou zobrazeny v dialogovém panelu Styly multičáry.
103. Například, jestliže vytvoříte element s negativním offsetem,
104. objeví se pod originálem v obrazovém políčku.
105. Každý element může mít různou barvu a typ čáry.
106. Nyní určete vlastnosti celé multičáry
107. **1** V dialogovém panelu Styly multičar vyberte *Vlastnosti multičáry*.
108. **2** Vyberte *Zobraz klouby*
109. pro zobrazení čar ve vrcholech multičáry.
110. **3** Pod *Zakončení* zvolte úsečku nebo oblouk pro každou multičáru
111. a zadejte úhel.
112. Čára překříží konec celé multičáry
113. a vnější oblouky spojí konce nejkrajnějších elementů.
114. Vnitřní oblouky spojí elementy do párů
115. a pokud je počet elementů lichý
116. nechá osu symetrie nespojenou.
117. Například, pokud máme šest elementů,
118. vnitřní oblouky spojí elementy 2 a 5
119. a {spojí} elementy 3 a 4.
120. Jestliže máme sedm elementů,
121. vnitřní oblouk spojí elementy 2 a 6
122. a {spojí} elementy 3 a 5.
123. Element 4 zůstane nespojen.
124. **4** Pod *Vyplnění* vyberte *Ano*
125. pro zobrazení barvy pozadí.
126. Tato barva se neobjeví v obrazovém políčku v dialogovém panelu Styly multičár.
127. **5** Vyberte *Barva*.

128.Pak z dialogového panelu Výběr barvy zvolte barvu pro vyplnění pozadí.

129.**6** Vyberte *OK*

130.pro návrat do dialogového panelu Styly multičár.

131.Nyní pojmenujte

132.a uložte

133.**1** Pod *Jménem* zvolte jméno stylu.

134.**2** Pod *Popis* zadejte popis (nepovinné),

135.který může mít až 255 znaků včetně mezer.

136.**3** Vyberte Přidat

137.k přidání vytvořeného stylu multičáry

138.a nastavení tohoto stylu jako aktuálního.

139.**4** Vyberte *Uložit*

140.pro uložení stylu do externího souboru *.mln*.

141.**5** Vyberte *OK*

142.a uzavřete dialogový panel.

1. **Na příkazové řádce MČSTYL**
2. **Příbuzné příkazy**
3. Systémová proměnná CMLSTYLE uchovává jméno aktuálního stylu multičáry.
4. Příkaz EKVID vytváří nový objekt v určité ekvidistantní vzdálenosti od vybraného objektu nebo objekt procházející určitým bodem.
5. **Nakreslení multičáry**
6. **1** Spusťte příkaz MČÁRA jedním z následujících způsobů:
7. **Windows**
8. Z plovoucího ikonového menu Multičára na nástrojovém panelu Kresli vyberte *Multičára*.
9. **DOS** a **UNIX**
10. Z menu Kresli vyberte *Multičára*.
11. **2** Zadejte **s** při dotazu na styl.
12. **3** Zadejte jméno stylu
13. nebo **{**zadejte**}** **?**
14. pro vypsání dostupných stylů.
15. Pro výpis všech stylů
16. zmáčkněte ENTER při dotazu na *Styl(y).*
17. **4** Zadejte **z**

18. pro zarovnání multičáry
19. a vyberte horní, nulové nebo spodní zarovnání.
20. **5** Zadejte **m**
21. pro změnu měřítka multičáry
22. a zadejte nové měřítko.
23. Nyní nakreslete multičáru.
24. **1** Určete první bod multičáry.
25. **2** Určete druhý bod.
26. **3** Určete třetí bod
27. nebo zadejte **z**
28. pro vrácení zpět posledního bodu
29. nebo zmáčkněte ENTER
30. pro ukončení multičáry.
31. **4** Určete čtvrtý bod
32. nebo zadejte **u**
33. pro uzavření multičáry
34. nebo stiskněte ENTER
35. pro její ukončení.
36. **Na příkazové řádce** MČÁRA

37. Nakreslení vepsaného čtverce

38. **1** Spusťte příkaz POLYGON jedním z následujících způsobů:
39. **Windows**
40. Z plovoucího ikonového menu Polygon na nástrojovém panelu Kresli vyberte *Polygon*.
41. **DOS** a **UNIX**
42. Z menu Kresli vyberte *Polygon.*
43. **2** Zadejte **4**
44. pro určení počtu stran polygonu
45. **3** Určete střed polygonu (1)
46. **4** Zadejte **v**
47. pro vepsání do kružnice.
48. **5** Určete poloměr (2).
49. **Na příkazové řádce** POLYGON
50. **Příbuzné příkazy**

51. OBDÉLNÍK vytváří obdélníky z křivek.

52. Nakreslení opsaného šestiúhelníku

53. **1** Spusťte příkaz POLYGON jedním z následujících způsobů:

54. **Windows**

55. Z plovoucího ikonového menu Polygon na nástrojovém panelu Kresli vyberte *Polygon*.

56. **DOS** a **UNIX**

57. Z menu Kresli vyberte *Polygon*.

58. **2** Zadejte **6**

59. pro určení počtu stran polygonu

60. **3** Určete střed polygonu (1)

61. **4** Zadejte **o**

62. pro opsání kružnici.

63. **5** Určete poloměr (2).

64. Poté co jste vytvořili polygon,

65. můžete jej editovat pomocí příkazu KEDIT

66. nebo jej zkonvertovat na jednotlivé úsečkové segmenty

67. příkazem ROZLOŽ.

68. Skicování

69. a záznam čar od ruky

70. **1** Spusťte příkaz ODRUKY jedním z následujících způsobů:

71. **Windows**

72. Z nástrojového panelu Různé vyberte *Odruky*.

73. **DOS a UNIX**

74. Z menu Kresli vyberte *Odruky*.

75. **2** Na dotaz na element záznamu, zadejte minimální délku čárového segmentu.

76. **3** Stiskněte výběrové tlačítko

77. a spusťte pero dolů.

78. Při pohybu polohovacím zařízením

79. AutoCAD kreslí dočasné čárové segmenty délky,

80. kterou jste zadali.

81. Příkaz ODRUKY nepřijímá souřadnicový vstup.
82. **4** Stiskněte znova výběrové tlačítko
83. a pero se zdvihne tak,
84. že nyní můžete pohybovat kurzorem po obrazovce
85. bez kreslení.
86. Stiskněte opět tlačítko
87. a kreslení bude obnoveno od nové polohy kurzoru.
88. **5** Zadejte kdykoli **z**
89. a čára a ty {čáry} budou zapsány do databáze
90. kterou právě kreslíte
91. které již byly nakresleny.
92. Jestliže je pero dole,
93. můžete pokračovat v kreslení po provedeném záznamu.
94. Jestliže je pero nahoře,
95. stiskněte tlačítko
96. pro obnovení kreslení.
97. Když stisknete tlačítko,
98. kreslení od ruky začne,
99. ať je kursor kdekoli.
100. **6** Stiskněte ENTER
101. pro ukončení skicy
102. a {pro ukončení} záznamu všech nezaznamenaných čar.
103. Pokud budete chtít používat režimy Krok {během skicování} a
104. {chtít používat režim} Orto během skicování,
105. musíte je přepínat z klávesnice pomocí kláves F8 pro Orto
106. a {musíte přepínat pomocí klávesy} F9 pro Krok.
107. Přepnutí ze stavové řádky nemá žádný vliv.
108. Nastavení kroku přehlíží nastavení kroku
109. pokud má větší nastavení.
110. Jestliže je Krok menší,
111. pak má přírůstek záznamu prioritu.

112. Na příkazové řádce ODRUKY

113. **Příbuzné příkazy**

114. Nastavit velikost přírůstku můžete

115.pro skicování od ruky
116.také nastavením systémové proměnné SKETCHING.
117.Abyste kreslili čáry od ruky jako křivku,
118.která má být samostatný objekt,
119.nastavte systémovou proměnnou SKPOLY
120.před kreslením na nenulovou hodnotu.

121.Vymazání čáry kreslené od ruky:
122.**1** Při peru nahoře nebo dole,
123.zadejte **v** jako Vymaž.
124.Jestliže bylo pero dole,
125.zdvihne se nahoru.
126.**2** Pohybujte kurzorem na konec čáry,
127.kterou jste nakreslili naposledy
128.a pak s ním pohybujte zpět podél čáry,
129.až vymažete požadovaný úsek.
130.**3** Pro ukončení mazání
131.a návratu do příkazu ODRUKY
132.zadejte **p**.
133.Pro vrácení vymazání zpět
134.zadejte **v**.
135.Jak jednou uložíte čáry nakreslené od ruky,
136.už je nemůžete editovat
137.nebo{nemůžete} vymazávat pomocí volby Vymaž.
138.Pak, použijte příkaz VYMAŽ.
139. po dokončení skicování
140.Aktuální pohled můžete měnit během skicování,
141. jen pokud je pero nahoře,
142.všechny čáry byly již zaznamenány
143.a režim tabletu je vypnut.

TABLE 1. CORPUS CODING CZECH LANGUAGE

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
1	TP	G	NGR	DMP			NMD			AGN				
2	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
3	TP	P	NGR	RP			NMD			AGN				
4	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
5	TP	P	NGR	RP			NMD			AGN				
6	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
7	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
8	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
9	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
10	TP	G	PGR	DMP			NMD			AGN				
11	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
12	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
13	TP	G	PGR	DMP			NMD			AGN				
14	TP	G	PGR	DMP			NMD			AGN				
15	TP	G	PGR	DMP			NMD			AGN				
16	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
17	TFP	G	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCS	NDC		
18	TFP	S	NGR	DMP			NMD			AGN				

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
19	TP	P	PGR	VEP			NMD			AGN				
21	TRP		NGR	NDM			NMD			AGN				
22	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDC		
23	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGN	CCC	NDCT	HRC	
24	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
25	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
26	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
27	TP	G	NGR	DMP			NMD			AGN				
28	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
29	TP	P	NGR	RP			NMD			AGN				
30	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
31	TP	P	NGR	RP			NMD			AGN				
32	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
33	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
34	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
35	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
36	TP	G	PGR	DMP			NMD			AGN				
37	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	PRC	CTAL
38	TP	G	PGR	DMP			NMD			AGN				
40	TRP		NGR	NDM			NMD			AGN				
41	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDC		
42	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGN	CCC	NDCT	HRC	

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
43	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
44	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
45	TFP	S	CL	RP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDCT	HRC	
46	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	
47	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCS	NDC		
48	TO	P	CL	RP	FIN	POS	NMD	IND	VEFP	AGSP	CCC	NDC		
49	TO	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	
50	TP	G	NGR	DMP			NMD			AGN				
51	TP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCS	NDC		
52	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
53	TP	P	NGR	RP			NMD			AGN				
54	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
55	TP	P	NGR	RP			NMD			AGN				
56	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
57	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
58	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
59	TP	G	PGR	DMP			NMD			AGN				
60	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
61	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
62	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
63	TP	G	PGR	DMP			NMD			AGN				
64	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
65	TP	S	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCS	NDC		
66	TFP	S	CL	DMP	FIN	POS	MDLO	IND	VEFP	AGN	CCS	NDC		
67	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
68	TP	G	PGR	DMP			NMD			AGN				
69	TFP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT
70	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC		
71	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	PRC	CTAL
72	TFP	G	PGR	DMP			NMD			AGN				
73	TO	P	PGR	DMP			NMD			AGN				
74	TO	E	CL	NMP	FIN	POS	NMD	IND	VMID	AGN	CCC	NDC		
75	TO	E	CL	RP	FIN	POS	NMD	IND	VEFP	AGN	CCC	NDC	PRC	CTAD
76	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGN	CCC	NDCT	HRC	
77														
78	TP	G	NGR	DMP			NMD			AGN				
79	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
80	TP	P	NGR	RP			NMD			AGN				
81	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
82	TP	P	NGR	RP			NMD			AGN				
83	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
84	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
85	TP	G	PGR	DMP			NMD			AGN				
86	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
87	TO	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCS	NDC		
88	TO	P	CL	NMP	FIN	NEG	MDLO	IND	VEFP	AGN	CCS	NDC		
89	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
90	TP	G	PGR	DMP			NMD			AGN				
91	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
92	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
93	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
94	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
95	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
96	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
97	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
98	TP	G	PGR	DMP			NMD			AGN				
99	TP	G	PGR	DMP			NMD			AGN				CTAD
100	TP	G	PGR	DMP			NMD			AGN				
101	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
102	TP	E	CL	RP	FIN	POS	NMD	IND	VEFP	AGN	CCS	NDC		
103	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCC
104	TP	E	CL	NMP	FIN	POS	NMD	IND	VMID	AGN	CCC	NDC		
105	TO	E	CL	RP	FIN	POS	MDLA	IND	VEFA	AGN	CCS	NDC		
106	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
107	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
108	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
109	TP	G	PGR	DMP			NMD			AGN				
110	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
111	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
112	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
113	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
114	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
115	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	DCT	HRC	CTCC
116	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
117	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCC
118	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
119	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
120	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA		CCC	DCT	HRC	CTCC
121	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
122	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
123	TO	E	CL	DMP	FIN	POS	NMP	IND	VEFA	AGSA	CCS	NDC		
124	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
125	TP	G	PGR	DMP			NMD			AGN				
126	TO	E	CL	NMP	FIN	NEG	NMD	IND	VMID	AGSP	CCS	NDC		
127	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
128	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
129	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
130	TP	G	PGR	DMP			NMD			AGN				

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
131	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
132	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
133	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
134	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
135	TP	P	CL	RP	FIN	POS	MDLA	IND	VEFA	AGSP	CCS	NDCT	HRC	
136	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
137	TP	G	PGR	DMP			NMD			AGN				
138	TP	G	PGR	DMP			NMD			AGN				CTAD
139	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
140	TP	G	PGR	DMP			NMD			AGN				
141	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
142	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
143														
144	TRP		NGR	NDM			NMD			AGN				
145	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
146	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
147	TP	G	NGR	DMP			NMD			AGN				
148	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
149	TP	P	NGR	RP			NMD			AGN				
150	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
151	TP	P	NGR	RP			NMD			AGN				
152	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
153	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
154	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
155	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
156	TP	G	PGR	DMP			NMD			AGN				
157	TP	G	PGR	DMP			NMD			AGN				
158	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
159	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
160	TP	G	PGR	DMP			NMD			AGN				
161	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
162	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
163	TP	G	PGR	DMP			NMD			AGN				
164	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
165	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
166	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
167	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
168	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
169	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	PRC	CTAL
170	TP	G	PGR	DMP			NMD			AGN				
171	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	PRC	CTAL
172	TP	G	PGR	DMP			NMD			AGN				
173	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
174	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	PRC	CTAL

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
175	TP	G	PGR	DMP			NMD			AGN				
176	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	PRC	CTAL
177	TP	G	PGR	DMP			NMD			AGN				
178														
179	TP	G	NGR	DMP			NMD			AGN				
180	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
181	TP	P	NGR	RP			NMD			AGN				
182	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
183	TP	P	NGR	RP			NMD			AGN				
184	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
185	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
186	TP	G	PGR	DMP			NMD			AGN				
187	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
188	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
189	TP	G	PGR	DMP			NMD			AGN				
190	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
191														
192	TRP		NGR	NDM			NMD			AGN				
193	TRP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC		
194	TP	G	NGR	DMP			NMD			AGN				
195	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
196	TP	P	NGR	RP			NMD			AGN				

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
197	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
198	TP	P	NGR	RP			NMD			AGN				
199	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
200	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
201	TP	G	PGR	DMP			NMD			AGN				
202	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
203	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
204	TP	G	PGR	DMP			NMD			AGN				
205	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
206	TFP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTT
207	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC		
208	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC	PRC	CTAL
209	TRP	S	NGR	NDM			NMD			AGN				
210	TP	G	NGR	DMP			NMD			AGN				
211	TP	G	NGR	DMP			NMD			AGN				CTAD
212	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
213	TP	P	NGR	RP			NMD			AGN				
214	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
215	TP	P	NGR	RP			NMD			AGN				
216	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
217	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
218	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
219	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
220	TO	G	PGR	DMP			NMD			AGN				
221	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
222	TO	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	
223	TO	E	CL	DMP	FIN	NEG	NMD	IND	VEFA	AGSU	CCS	NDC		
224	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
225	TP	S	CL	NMP	FIN	POS	NMD	IND	VMID	AGSU	CCC	NDC	PRC	CTAD
226	TP	P	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCP
227	TP	G	PGR	NMP	NFIN	NEG	NMD			AGN				
228	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
229	TP	E	CL	NMP	FIN	POS	NMD	IND	VEFP	AGN	CCC	NDC	PRC	CTAD
230	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
231	TP	E	CL	NMP	FIN	POS	NMD	IND	VEFP	AGN	CCC	NDC	PRC	CTAD
232	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	
233	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFP	AGN	CCC	NDCT	HRC	
234	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSA	CCC	DCT	HRC	CTCC
235	TO	S	CL	NMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCC	NDC		
236	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSA	CCC	DCT	HRC	CTCC
237	TO	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
238	TO	G	PGR	DMP			NMD			AGN				
239	TO	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSA	CCC	DCT	HRC	CTT
240	TO	E	CL	NMP	FIN	POS	NMD	IND	VEFA	AGSA	CCC	NDC		

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
241	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCC
242	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
243	TP	G	PGR	DMP			NMD			AGN				
244	TP	G	PGR	DMP			NMD			AGN				CTAD
245	TFP	P	CL	DMP	FIN	POS	MDLI	IND	VEFA	AGSU	CCC	DCT	HRC	CTCC
246	TFP	P	CL	DMP	FIN	POS	MDLI	IND	VEFA	AGSU	CCC	DCT	PRC	CTAD
247	TFP	S	CL	DMP	FIN	POS	MDLO	IND	VEFA	AGSU	CCC	NDC		
248	TFP	S	CL	DMP	FIN	POS	MDLO	IND	VEFA	AGSU	CCC	NDC	PRC	CTAD
249	TFP	S	CL	RP	FIN	NEG	NMD	IND	VEFA	AGSP	CCS	NDC		
250	TO	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCC	NDC		
251	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTCC
252	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCC
253	TO	E	CL	RP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDC		
254														
255	TRP		NGR	NDM			NMD			AGN				
256	TFP	G	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSU	CCS	NDC		
257	TFP	G	PGR	DMP			NMD			AGN				
258	TFP	S	NGR	DMP			NMD			AGN				
259	TFP	G	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	DCT	HRC	CTCP
260	TFP	P	CL	RP	FIN	POS	MDLO	IND	VEFA	AGN	CCC	DCT	HRC	
261	TFP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
262	TFP	S	PGR	DMP			NMD			AGN				

Unit N	Text unit	Plan e	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
263	TP	G	NGR	DMP			NMD			AGN				
264	TP	G	PGR	DMP			NMD			AGN				
265	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
266	TO	P	CL	RP	FIN	POS	NMD	IND	VEFA	AGSA	CCC	DCT	HRC	CTCC
267	TP	S	CL	NMP	FIN	POS	NMD	IND	VMID	AGSA	CCC	NDC		
268	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC		
269	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	
270	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAD
271	TP	P	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTT
272	TP	G	PGR	DMP			NMD			AGN				
273	TP	G	PGR	DMP			NMD			AGN				CTAD
274	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		
275	TP	G	PGR	DMP			NMD			AGN				
276	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC		

Note:

The empty rows in the coding table correspond to text units which were not coded intentionally. Text units NoNo 277 -285 were not coded.

Appendix III CORP-RU

Чтобы нарисовать линию [1]

1 Запустите команду LINE [2] одним из следующих способов:[3]

(Windows) [4] В палитре Line на панели инструментов Draw выберите пункт Line. [5]

(DOS and UNIX) [6] В меню Draw выберите пункт Line.[7]

2 Укажите начальную точку.[8]

3 Укажите конечную точку.[9]

4 Укажите конечную точку следующего сегмента.[10]

5 Нажмите клавишу Return, [11] чтобы завершить рисование линии, [12] или клавишу “c” [13] для запуска команды Close [14], чтобы соединить начальную точку первого сегмента с конечной точкой последнего сегмента.[15]

Чтобы отменить последний линейный сегмент в команде LINE,[16] нажмите клавишу “u” [17]. Повторным запуском команды LINE [18] и нажатием клавиши Return [19] по запросу начальной точки [20] можно начать рисование новой линии в конечной точке последнего нарисованного фрагмента [21].

(Related) Команда PLINE позволяет рисовать сегменты полилиний и дуг, образующие единый объект [22]. Команда MLINE позволяет рисовать множественные параллельные линии [23]. Команда OFFSET создает копии линий, смещенные на указанное расстояние в одну сторону от точки или через точку [24]. Команда LINETYPE задает тип линии [25].

Чтобы нарисовать полилинию с прямыми сегментами [26]

1 Запустите команду PLINE [27] одним из следующих способов:[28]

(Windows) [29] В палитре Polyline на панели инструментов Draw выберите пункт Polyline.[30]

(DOS and UNIX) [31] В меню Draw выберите пункт Polyline. [32]

2 Укажите первую точку полилинии.[33]

3 Укажите конечную точку каждого сегмента полилинии.[34]

4 Нажмите клавишу Return, [35] чтобы завершить рисование полилинии,[36] или клавишу “c”[37], чтобы замкнуть полилинию.[38]

(Related) Команда LINE создает одиночный линейный сегмент или множественные линейные сегменты, которые рассматриваются как отдельные объекты [39]. Команда MLINE создает множественные параллельные линии [40].

Чтобы нарисовать полилинию, состоящую из отрезков прямых и дуг [41]

Сначала нарисуйте отрезок прямой.[42]

1 Запустите команду LINE [43] одним из следующих способов: [44]

(Windows) [45] В палитре Polyline на панели инструментов Draw выберите пункт Polyline.[46]

(DOS and UNIX) [47] В меню Draw выберите пункт Polyline.[48]

2 Укажите начальную точку отрезка прямой [49].

3 Укажите конечную точку отрезка прямой (2).[50]

4 Нажмите клавишу “a”,[51] чтобы перейти в режим Arc.[52]

5 Укажите конечную точку дуги (3).[53]

6 Нажмите клавишу “l”,[54] чтобы вернуться в режим Line.[55]

7 Укажите расстояние и угол линии по отношению к конечной точке дуги. [56] Можно указать эти данные в следующей форме: *@distance<angle* (в нашем случае, *@3<100*).[57]

8 Нажмите клавишу Return,[58] чтобы завершить рисование полилинии.[59]

Чтобы создать стиль мультилинии [60]

1 Откройте диалоговое окно Multiline Styles [61] одним из следующих способов: [62]

(Windows) [63] В палитре Object Properties на панели инструментов или в меню Data выберите пункт Multiline Style [64].

(DOS and UNIX) [65] В меню Data выберите пункт Multiline Style[66].

2 Нажмите кнопку Element Properties [67], чтобы добавить элементы в стиль [68].

3 В диалоговом окне Element Properties в пункте Offset введите смещение элемента линии [69].

4 Нажмите кнопку Add [70], чтобы добавить этот элемент [71].

5 Выберите элемент [72].

6 Выберите пункт Color [73]. Затем укажите цвет элемента в диалоговом окне Select Color [74].

7 Выберите элемент [75].

8 Выберите пункт Linetype [76]. Затем укажите тип линии элемента в диалоговом окне Select Linetype [77].

9 Нажмите кнопку OK [78], чтобы сохранить стиль элементов мультилинии [79] и закрыть диалоговое окно Element Properties [80].

Для добавления элементов в мультилинию (до 16) [81] повторяйте шаги с 4 по 7 [82]. Элементы отображаются в диалоговом окне Multiline Styles [83].

Чтобы определить свойства целой мультилинии [84]

1 В диалоговом окне Multiline Styles, выберите пункт Multiline Properties [85].

2 Выберите пункт Display joints [86], чтобы отобразить линию у вершин мультилинии [87].

3 В разделе Caps укажите прямую или дугу для каждого конца мультилинии [88] и введите угол [89].

4 В палитре Fill выберите пункт On [90], чтобы показать основной цвет [91]. Этот цвет не показывается среди образцов в диалоговом окне Multiline Styles [92].

5 Нажмите кнопку Color [93]. Затем в диалоговом окне Select Color укажите цвет фона [94].

6 Нажмите кнопку OK [95], чтобы вернуться в диалоговое окно Multiline Styles [96].

Теперь стиль может быть поименован [97] и сохранен [98] или добавлен [99].

1 В пункте Name укажите имя стиля [100].

2 В пункте Description, введите описание стиля (факультативно), длиной до 255 символов включая пробелы [101].

3 Выберите Add [102], чтобы добавить вновь созданный стиль мультилинии [103], и укажите этот стиль в качестве текущего [104].

4 Нажмите кнопку Save [105], чтобы сохранить стиль во внешнем файле с расширением *.mln.* [106]

5 Нажмите кнопку OK [107] и закройте диалоговое окно [108].

Чтобы нарисовать мультилинию [109]

1 Запустите команду MLINE [110] одним из следующих способов[111]:

(Windows) [112] В палитре Polyline на панели инструментов Draw выберите пункт Multiline [113].

(DOS and UNIX) [114] В меню Data выберите пункт Multiline [115].

2 В строке команд введите st [116], чтобы выбрать стиль [117].

3 Введите имя стиля [118] или ? [119], для выдачи списка доступных стилей [120]. Для получения списка всех стилей [121] нажмите клавишу Enter [122], выбрав кнопку Style(s) по запросу списка [123].

4 Введите j [124], затем выберите выравнивание по верхнему краю, по центру или по нижнему краю [125], чтобы выровнять мультилинию [126]."

5 Введите s [127], затем введите масштаб [128], чтобы изменить масштаб мультилинии[129].

Теперь рисуйте линию [130].

1 Укажите первую точку мультилинии [131].

2 Укажите вторую точку [132].

3 Укажите третью точку мультилинии [133] или нажмите клавишу u [134], чтобы отменить вторую точку [135], или нажмите клавишу Enter [136], чтобы закончить рисование мультилинии [137].

4 Укажите четвертую точку мультилинии [138] или нажмите клавишу c [139], чтобы соединить точки мультилинии [140], или нажмите клавишу Enter [141], чтобы закончить ее рисование [142].

Чтобы нарисовать вписанный квадрат [143]

1 Запустите команду POLYGON [144] одним из следующих способов [145]:

(Windows) [146] В палитре Polygon на панели инструментов Draw выберите пункт Polygon [147].

(DOS and UNIX) [148] В меню Draw выберите пункт Polygon [149]. Затем выберите кнопку Polygon [150].

2 Введите “4” [151], чтобы указать число сторон многоугольника [152].

3 Укажите центр многоугольника [153].

4 Введите “c” [154] для указания на то, что многоугольник вписан в круг [155].

5 Укажите радиус (2) [156].

RECTANG создает полининии в виде квадратов [157].

Чтобы нарисовать описанный шестиугольник [158]

1 Запустите команду POLYGON [159] одним из следующих способов [160]:

(Windows) [161] В палитре Polygon на панели инструментов Draw выберите пункт Polygon [162].

(DOS and UNIX) [163] В меню Draw выберите пункт Polygon [164]. Затем выберите кнопку Polygon [165].

2 Введите “6” [166], чтобы указать число сторон [167].

3 Укажите центр многоугольника [168].

4 Введите “c” [169] для указания на то [170], что многоугольник описан вокруг круга [171].

5 Укажите радиус круга (2) [172].

После того, как шестиугольник нарисован [173], его можно редактировать с помощью команды PEDIT [174] или преобразовать в отдельные отрезки прямой с помощью команды EXPLODE [175].

Чтобы нарисовать и сохранить произвольную линию [176]

1 Запустите команду SKETCH [177] одним из следующих способов [178]:

(Windows) [179] На панели инструментов Miscellaneous нажмите кнопку Sketch [180].

(DOS and UNIX) [181] В меню Draw выберите пункт Sketch [182].

2 По запросу Record increment, введите минимальную длину сегмента линии [183].

3 Нажмите указательную кнопку вашего указательного устройства [184], чтобы опустить перо [185].

4 Нажмите указательную кнопку вашего указательного устройства [186], чтобы поднять перо [187] для возможности перемещения курсора по экрану без рисования [188]. Снова нажмите эту кнопку [189] для продолжения рисования с новой позиции курсора [190].

5 Нажимайте клавишу “r” каждый раз [191], когда хотите записать (сохранить) в базе данных линию [192], рисуемую в данный момент [193], и уже нарисованные линии [194].

6 Нажмите клавишу Return [195], чтобы завершить рисование [196] и сохранить все несохраненные линии [197].

CODING TABLE - RUSSIAN CORPUS

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
1	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
2	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
3	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
4	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
5	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
6	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
7	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
8	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
9	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
10	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
11	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
12	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
13	TP	S	Cl (El)	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAL
14	TP	G	PGR	-	-	-	-	-	-	-	-	-	-	(CTCP)
15	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
16	TFP	I	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
17	TFP	I	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
18	TFP	S	NGR	-	-	-	-	-	-	-	-	-	(HRC)	(CTM)
19	TFP	S	NGR	-	-	-	-	-	-	-	-	-	(PRC)	(CTAD)
20	TFP	P	PGR	-	-	-	-	-	-	-	-	-	-	-
21	TFP	G	CL	DMP	-	POS	MDLA	-	VEFA	AGN	CCS	NDC	-	-
22	TFP	E	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSP	CCS	NDC	-	-
23	TFP	E	CL	DMP	FIN	POS	MDLA	IND	VEFA	AGSP	CCS	NDC	-	-
24	TFP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC	-	-
25	TFP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
26	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
27	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
28	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
29	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
30	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
31	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
32	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
33	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
34	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
35	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
36	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
37	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAL
38	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
39	TFP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC	-	-
40	TFP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC	-	-
41	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
42	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
43	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
44	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
45	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
46	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
47	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
48	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
49	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
50	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
51	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
52	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
53	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
54	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
55	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
56	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
57	TFP	S	CL	DMP	-	POS	MDLA	-	VEFA	AGN	CCS	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
58	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
59	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
60	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
61	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
62	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
63	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
64	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
65	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
66	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
67	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
68	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
69	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
70	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
71	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
72	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
73	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
74	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
75	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
76	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
77	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
78	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
79	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
80	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	PRC	CTAL
81	TFP	G	PGR	-	-	-	-	-	-	-	-	-	-	(CTCP)
82	TFP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
83	TFP	E	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC	-	-
84	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
85	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
86	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
87	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
88	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
89	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAD

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
90	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
91	TP	S	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
92	TP	E	CL	DMP	FIN	NEG	NMD	IND	VEFP	AGN	CCS	NDC	-	-
93	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
94	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
95	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
96	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
97	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFP	AGN	CCC	NDC	-	-
98	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFP	AGN	CCC	NDCT	PRC	CTAD
99	TFP	S	CL	DMP	FIN	POS	MDLA	IND	VEFP	AGN	CCC	NDCT	PRC	CTAL
100	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
101	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
102	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC-	-	-
103	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
104	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAD
105	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
106	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
107	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
108	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAD
109	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
110	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
111	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
112	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
113	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
114	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
115	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
116	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
117	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
118	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
119	TP	S	CL(El)	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	PRC	CTAL
120	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
121	TP	G	PGR	-	-	-	-	-	-	-	-	-	-	(CTCP)
122	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
123	TP	P	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTT
124	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
125	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	DCT	-	-
126	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
127	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
128	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	DCT	-	-
129	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
130	TFP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
131	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
132	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
133	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
134	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAL
135	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
136	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAL
137	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
138	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
139	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAL
140	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
141	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDCT	PRC	CTAL
142	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
143	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
144	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
145	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
146	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
147	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
148	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
149	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
150	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
151	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
152	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
153	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
154	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
155	TP	G	PGR	-	-	-	-	-	-	-	-	-	-	-
156	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFP	AGSU	CCS	NDC	-	-
157	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSP	CCS	NDC	-	-
158	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
159	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
160	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
161	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
162	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
163	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
164	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
165	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
166	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
167	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
168	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
169	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
170	TP	G	PGR	-	-	-	-	-	-	-	-	-	-	(CTCP)
171	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFP	AGN	CCC	NDCT	HRC	(?)
172	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
173	TFP	S	CL	DMP	FIN	POS	NMD	IND	VEFP	AGN	CCC	DCT	HRC	CTM
174	TFP	S	CL	DMP	NFIN	POS	MDLA	-	VEFA	AGN	CCC	NDC	-	-
175	TFP	S	CL	DMP	NFIN	POS	MDLA	-	VEFA	AGN	CCC	DCT	PRC	CTAL
176	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	DCT	HRC	CTCP
177	TP	G	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
178	TP	S	-	-	-	-	-	-	-	-	-	-	-	(CTM)
179	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
180	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
181	TP	P	-	-	-	-	-	-	-	-	-	-	-	-
182	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
183	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCS	NDC	-	-
184	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-

Unit No.	Text unit	Plan el.	LGF 1	LGF 2	LGF 3	LGF 4	LGF 5	LGF 6	LGF 7	LGF 8	LGF 9	LGF 10	LGF 11	LGF 12
185	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
186	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
187	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
188	TP	G	PGR	-	-	-	-	-	-	-	-	-	-	(CTCP)
189	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
190	TP	S	PGR	-	-	-	-	-	-	-	-	-	-	(CTCP)
191	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
192	TP	S	CL	DMP	FIN	POS	NMD	IND	VEFA	AGSU	CCC	NDCT	HRC	CTT
193	TP	S	CL	DMP	NFIN	POS	NMD	-	VEFP	AGN	CCC	DCT	HRC	CTT
194	TP	S	CL	DMP	NFIN	POS	NMD	-	VEFP	AGN	CCC	DCT	PRC	CTT
195	TP	S	CL	DMP	FIN	POS	NMD	IMP	VEFA	AGSU	CCC	NDC	-	-
196	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	HRC	CTCP
197	TP	G	CL	DMP	NFIN	POS	NMD	-	VEFA	AGN	CCC	NDCT	PRC	CTAD

Note:

In the Russian corpus the text units as *(Windows)* and *(DOS and UNIX)* are considered labels which do not have lexicogrammatical features. The text units directly preceeding these labels (e.g. одним из следующих способов:[3]) are expressed by instrumental case and such lexicogrammatical feature is not included in the tag set. Therefore, such text units are not coded in the coding table.