

Method of Competence System Estimation for the Ukrainian NPP Personnel

Objective:

**Scale Development for NPP Personnel
Competences Estimation**

Methods used: Delphi Method, Ranking

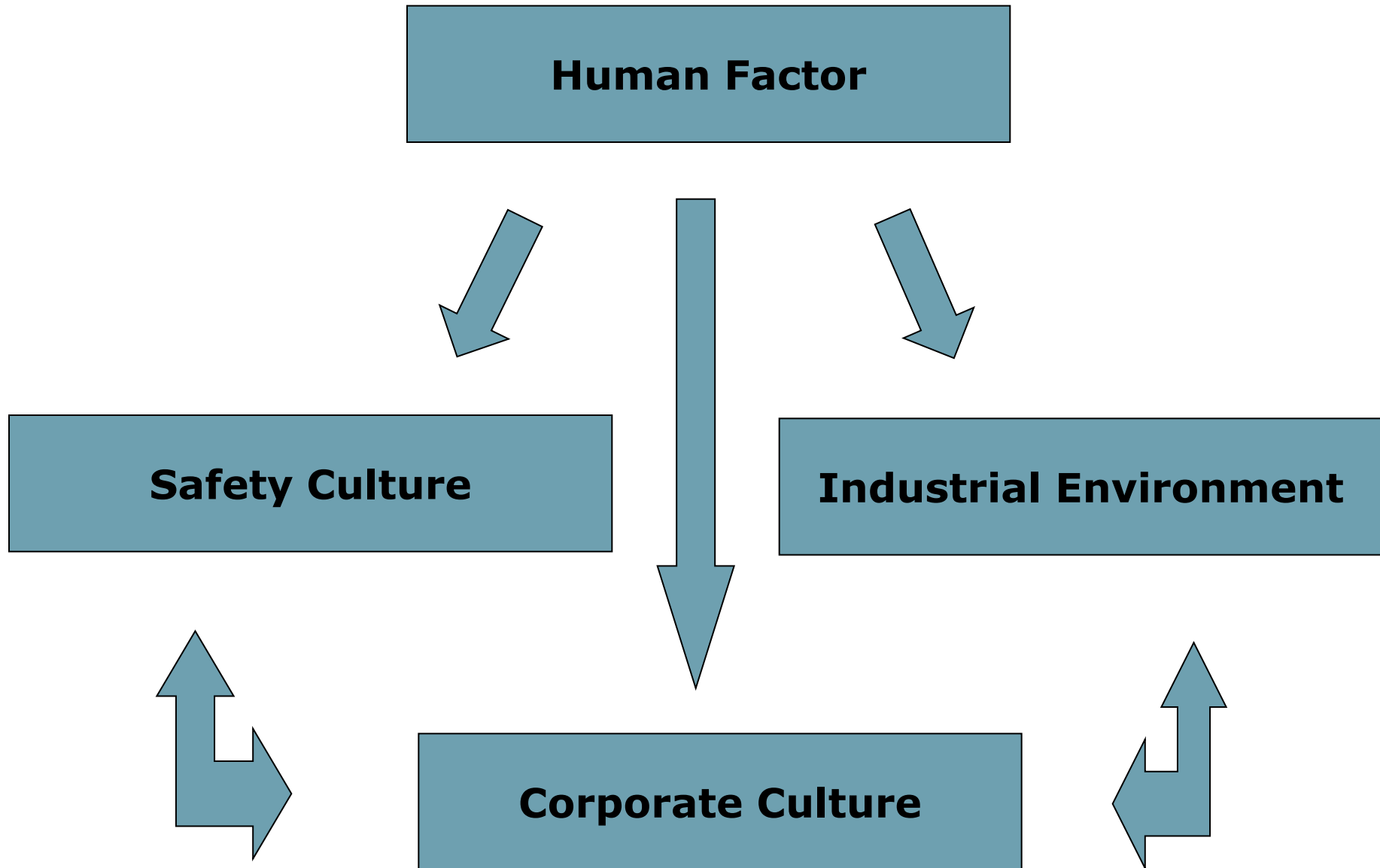
Author:

Maryna Gushchyna, Ph.D., Associate Professor

Certification Body “RosUkrSert”, Kiev, Ukraine

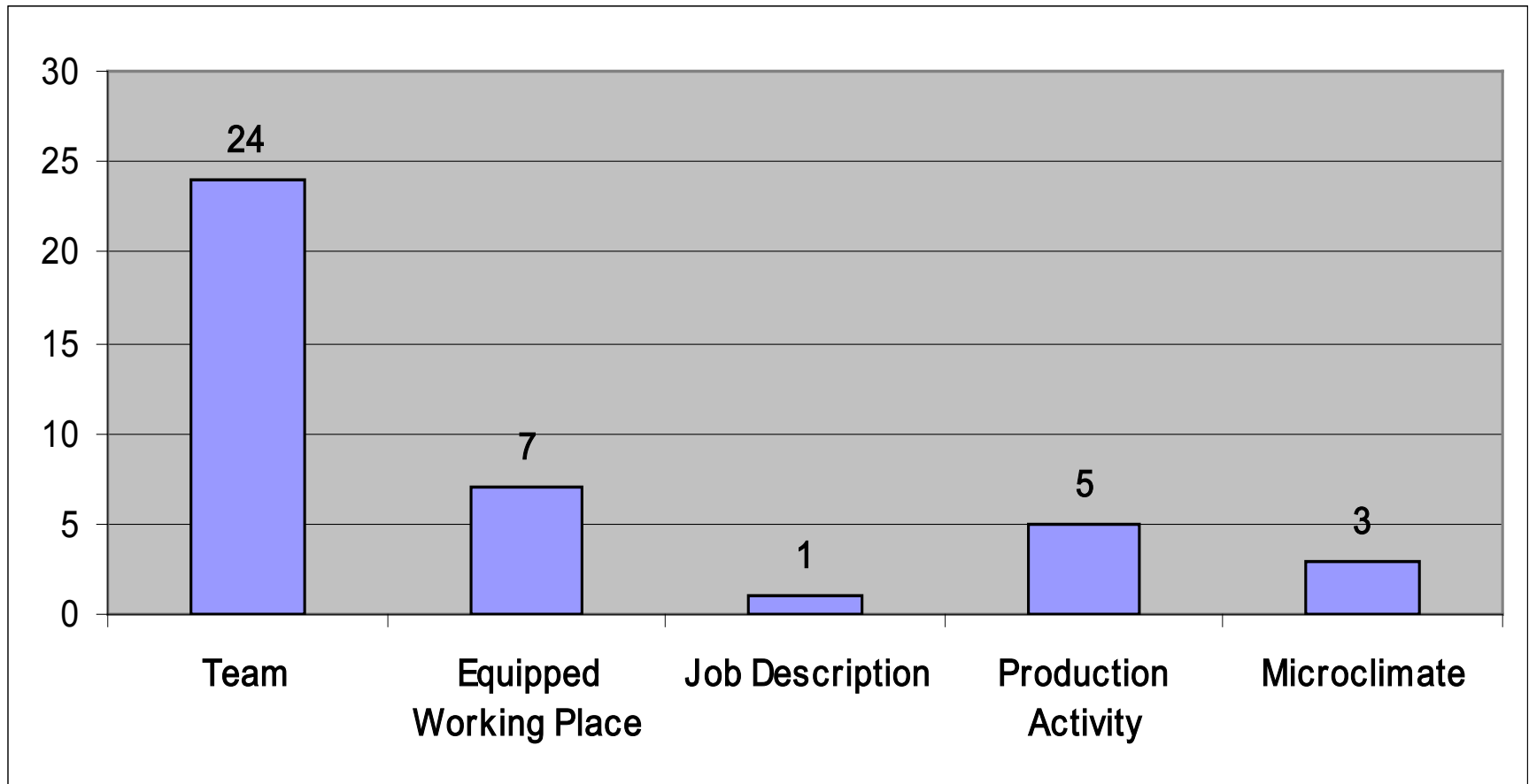
gushchyna_mo@mail.ru

Tel.: +4369918124437, +380509647461



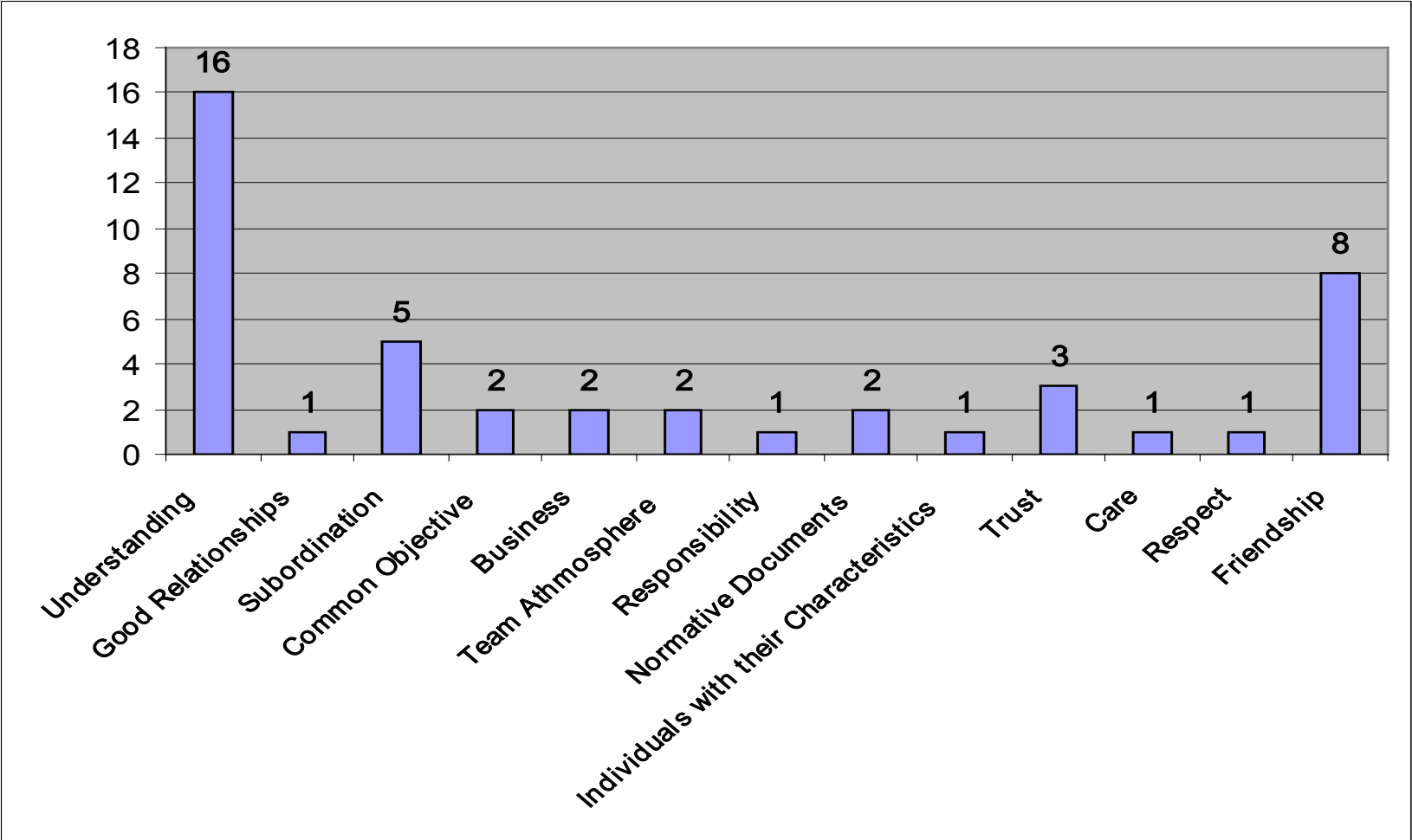
The Results of Analysis of Respondents' Answers to the Question:

“What, on your opinion, is included in the term “Industrial environment”?”



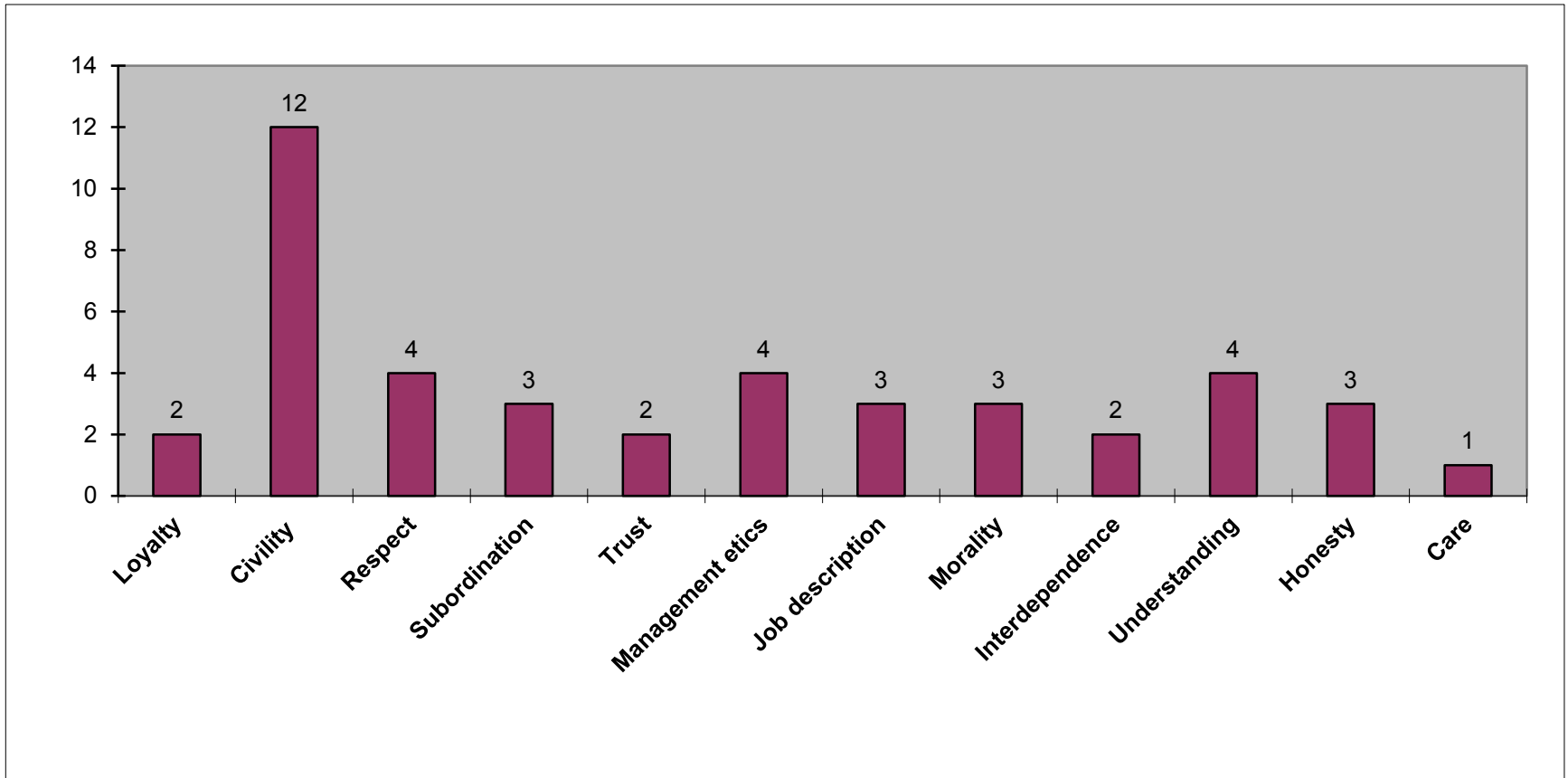
The Results of Analysis of Respondents' Answers to the Question:

“By what you can characterize the relationship in the industrial team?”



The Results of Analysis of Respondents' Answers to the Question:

“By what the relationships between the chief and the subordinate are determined?”



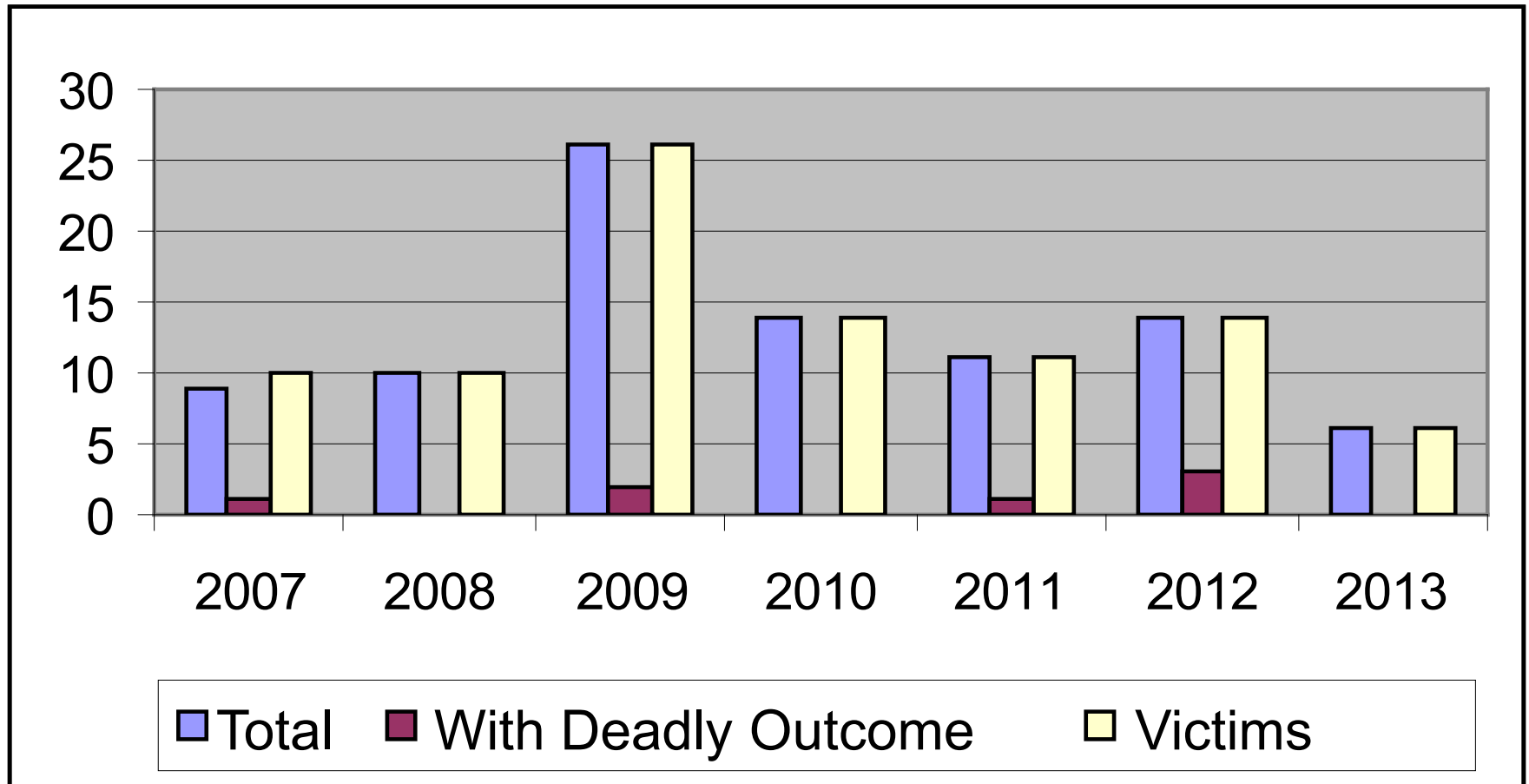
Ranks of the Indicators on the First Questionnaire Question

The Name of Indicator	Position Number
Responsibility	1
Length of Service in the Named Field	2
Education	3
Desire for Qualification Improvement	4
Sex	5
Ability to Work in a Team	6
Age	7
Honesty and Tenderness	8
Sociability	9
Creative Attitude to the Work	10
Initiative	11

Ranks of the Indicators on the Second Questionnaire Question

The name of Indicator	Position Number
Informing about Technological Process	1
Control on Personnel Actions	2
Qualification Improvement	3
The Material Motivation	4

Industrial Traumatism on the Enterprises of Atomic Power and Atomic Industrial Complex for the Period from 2007 till 2013



SCALE

The Name of Indicator
Responsibility
Length of the Work in the Named Field
Education
Aspiration for Qualification Improvement
Sex
Ability to Work in a Team
Informing about Technological Process
Control on Personnel Actions

CONCLUSIONS

- During the research the scale allowing assessing the influence of personnel competences and infrastructure on the enterprise safety culture level was developed
- The scale was approved on the statistical data characterizing industrial traumatism on the enterprises of atomic power and atomic industrial complex
- The proposed scale allows receiving system estimation of the safety culture level