The subject of the report:
"The experimental model for schedules` quality performance management in real time"

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PhD (Dr.of tech. sci.), professor
Control Subject

Required Reliability of Interaction of Subject Control

Operational Control Quality Curves

Control Subject Functioning Reliability
Quality Control System for Schedule Performance

Required Reliability of Interaction of Object and Subject of Control

Reliability of Interaction of Object and Subject of Control

Losses through Interaction Reliability Decrease
Model of management system

- Control Object Model
- Control Subject Model

Arrows:
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
The monitoring for the evaluations, connected with the process of imitating losses

<table>
<thead>
<tr>
<th>The cause</th>
<th>The effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\Delta T_{\text{св}}$</td>
<td>$\Delta \Theta$</td>
</tr>
<tr>
<td>$\Delta q_{\text{с обраща}}^{\text{колл}}$</td>
<td>$\Delta \Theta$</td>
</tr>
<tr>
<td>$\Delta q_{\text{с обраща}}^{\text{кач}}$</td>
<td>$\Delta \Theta$</td>
</tr>
<tr>
<td>$\Delta T_{\text{св}}^{\text{оу}}$</td>
<td>$\Delta \Theta$</td>
</tr>
<tr>
<td>$\Delta T_{\text{св}}^{\text{полн}}$</td>
<td>$\Delta \Theta$</td>
</tr>
</tbody>
</table>
The problem – the absence of the relationship between the cause and the effect "reason-quality" one

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</tr>
</thead>
<tbody>
<tr>
<td>$\Delta T_{cv}$</td>
<td>$\Delta W$</td>
</tr>
<tr>
<td>$\Delta q^{сохр}_{кол}$</td>
<td>$\Delta W$</td>
</tr>
<tr>
<td>$\Delta q^{сохр}_{кач}$</td>
<td>$\Delta W$</td>
</tr>
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<td>$\Delta T_{cv}^{оу}$</td>
<td>$\Delta W$</td>
</tr>
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<td>$\Delta T_{cv}^{полн}$</td>
<td>$\Delta W$</td>
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</tbody>
</table>
Schedule Performance Quality Control

Planning

- Operational Control based on Deviations

Schedule Performance

- Possible Deviation Appearance
  - Yes: Prevention Problem Solving
    - Deviation Prevention
    - Deviation Appears
    - Reports
  - No: End

- No: "Operational Control Problem Solving"
The conditions of the highest productivity of vehicles

\[ Q_{\text{сохр факт}} = Q_{\text{сохр план}} \] - the freight or goods safety

\[ W_{\text{факт}} = W_{\text{план}} \] - transport work

\[ T_{\text{стр}} = \{T_{\text{н стр}} + T_{\text{в стр}}\} \] - the timeliness of implementation of the schedule

\[ Q_{\text{сохр план}} = \{Q_{\text{сохр н}} + Q_{\text{сохр в}}\} \] - the safety of transportation

\[ T_{\text{стр оу}} = \{T_{\text{н стр оу}} + T_{\text{стр оу}}\} \] - the timeliness of operative management

\[ T_{\text{полн оу}} = \{T_{\text{н полн оу}} + T_{\text{полн оу}}\} \] - the completeness of operational management
Informational Interaction Scheme of Training Participants

- Professor
- Students: Vocational, BSc, MSc, PhD
- Logistics Manager
- Global Monitoring + Quality Control Model
- Agricultural Complex as Control Object
<table>
<thead>
<tr>
<th>Level of Education</th>
<th>Courses</th>
</tr>
</thead>
</table>
| MSc programme      | • Informational Systems for Automobile Cargo Processes  
                   | • Fundamentals of Operational Control Technology Development |
| BSc programme      | Optimization of Processes and Solutions |

**Navigation Provision**
Thanks for your time
(attention)