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REDUCING THE IMPACT OF INFORMATION NOISE IN THE TEAM FACILITATES DECISION-MAKING AND IMPROVE COMMUNICATION IN PROJECT MANAGEMENT

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In the modern world, where the flow of information is constantly increasing, the importance of monitoring the noise level in communication is becoming extremely important. Effective decision-making requires clarity, relevance, and speed of information exchange. Regulating communication, simplifying channels, assessing relevance and communication training are strategic steps to achieve this goal. They help ensure the quality of information, reduce the impact of noise, and improve decision-making.

Project managers need to gather relevant information to make decisions, but irrelevant information becomes noise[1]. Noise slows down decision-making because of the need to evaluate and filter out irrelevant information. Calculating the number of connections between team members helps determine the number of channels that generate noise.

The number of connections can be defined as the product of the number of team members divided by the number of communication targets divided by 2.

The formula for calculating the number of connections is as follows [2]:

$$C = \frac{n \times (n-1)}{2},$$

(1)

where:

C - number of channels in the group;

P - number of team members;

The number of two-way connections determines the maximum possible noise level for the team, as in the worst case, all channels generate noise at the same time. To analyse the noise level, you can use a questionnaire with a rating scale, where participants rate the relevance of the information they receive. The total score of the participants reflects the noise level in the communication channels. The information noise factor (I.n) is defined as the average score in percentage terms. The number of

channels transmitting noise can be determined by multiplying the number of channels (C) by the information noise figure (I.n).

The formula is as follows [2]:

$$n_c = C \times I.n, \qquad\qquad (2)$$

where:

n_c – number of channels generating noise;

C - number of channels in the group;

I.n - noise figure.

Based on the calculations, decisions can be made to improve communication within the team. Regulation of communication, simplification of channels, relevance assessment and communication training are important to facilitate the decision-making process and reduce noise or its impact to improve decision-making.

In summary, noise monitoring is an important aspect of decision-making speed and quality. Information noise can slow down the decision-making process because it requires time to evaluate and filter out irrelevant information. To reduce the impact of noise, communication processes can be regulated and communication channels can be simplified.

References

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