

YOUR INTELLIGIBILITY SCORECARD

zenitel

Intelligibility is the combined result of three key elements: **Hardware, Software, and Mechanics**. Miss one and your sound quality may be compromised.

Use this Intelligibility Scorecard as you evaluate intelligent communication solutions.

HARDWARE

DIGITAL MEMS MICROPHONE

Microphones are susceptible to electro-magnetic interference which causes poor performance. A digital MEMS microphone withstands interference and covers a much wider range of frequencies, ensuring **high quality, consistent performance**.

CLASS-D 10W AMPLIFIER

Broadcast level power delivers enough volume to overcome **dynamic noise environments** your enterprise encounters every day.

MATCHING 10W SPEAKER

Optimize the on-board amplifier with a matching 10W speaker enabling you to **achieve undistorted broadcast level sound** for all environments.



Does the solution have optimal hardware?

AUTOMATIC GAIN AND VOLUME CONTROL

Any voice recognized as too loud or too weak (too close or too far) needs to be leveled out to an **undistorted and clear signal**.

Environments are dynamic requiring volume to adjust in real time to assure **you are heard every time**.

ACTIVE NOISE REDUCTION

Environments we operate in are filled with dynamic noise. An algorithm to actively **suppress interfering background noise** should be offered on-board every single IP device.

ACOUSTIC ECHO CANCELLATION

Preventing audio feedback is essential for delivering **clear and hands-free communication**, even at high volumes (95dB).



Does the solution have optimal software?

RIGID STABLE FRAME

Vibrations at loud volumes must be isolated from the microphone. A rigid stable frame with dampening **shelters incoming sound** so that audio is delivered with clarity from start to finish.

ANECHOIC SPEAKER DESIGN

An open flow anechoic design **eliminates "standing waves"** enabling the delivery of distortion-free audio. This ensures that your solution's audio is always clear and crisp and that voices are heard with clarity.

ACOUSTICALLY TRANSPARENT POKE SCREEN

Provide vandal resistance without compromising the high quality flow of audio. Distortion-free **protection of your investment** from adverse interference.



Does the solution have optimal mechanics?

SOFTWARE

MECHANICS

WHAT IS INTELLIGENT COMMUNICATION?

Intelligent Communication is the communication between systems and within business processes. It encompasses all forms of communication, not just voice, to meet the standards and expectations of a truly intelligent system. In an increasingly demanding world, intelligent processing becomes critical to the operations of any business, in any industry.

By ensuring that your communication solution meets the standards of intelligibility, interoperability, and the illities, you optimize your investment and empower your enterprise with the ability to **hear, be heard, and be understood** everytime and everywhere.



THE CORNERSTONES

There are some key requirements that determine the success of an intelligent communication solution. We look at these requirements as cornerstones represented by Intelligibility, Interoperability and addressing the IT stakeholders with the IT Mandate (the illities).

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| INTELLIGIBILITY | The ability to hear, be heard and be understood in any situation. |
| INTEROPERABILITY | The recognition that communication demands that audio be embedded in risk, resilience and security solutions to optimize their resources, their budget and their organizational performance. |
| IT MANDATE | IT must ensure that intelligent communication solutions are scalable, maintainable, reliable, cyber secure and, most of all, be part of the intelligent network of devices that, together, will create the intelligent business. |

CAN YOU IMAGINE A COMMUNICATION SOLUTION WITHOUT INTELLIGIBILITY?



When it comes to understanding a situation, whether it be critical or an everyday task, we depend on our ability to communicate with one another in order to determine the most logical response. Thus, communication must not only be heard, but must be understood in every situation.

YOU NEED A SCORECARD FOR INTELLIGIBILITY

