



THE **MTP8000Ex** SERIES TETRA ATEX RADIOS



WORK **SAFER.** WORK **SMARTER.** WORK **ANYWHERE.**

INTRINSIC SAFETY HISTORY



20+ YEARS
INTRINSIC SAFETY

120,000+
RADIOS SOLD

MILLIONS
OF USAGE HOURS

MARKET LEADING
MTP850Ex

ATEX MARKETS



OIL & GAS

Workers in the Oil & Gas industry are constantly at risk of escaping flammable gases or leaking flammable liquids. And, they are often required to work in extreme conditions of heat and dust or cold and wet. Good communications are the key to operating effectively in these dangerous conditions and workers rely on ATEX radios to keep them safe.

FIRE & RESCUE

Fire and Rescue teams have long relied on two-way radios to provide effective communications and save lives. But when firefighters respond to a traffic accident involving a petrol tanker or an incident at a petrochemical plant, they need ATEX radios to communicate safely and prevent an incident from becoming an emergency.

MINING

Mines can often be at risk of flammable gases such as methane escaping. Communication is key to working effectively in such hostile and dangerous conditions and ATEX radios are needed to keep miners safe particularly when explosives are used.

AIRPORTS

Airports are complex facilities where effective and reliable communications are of great importance. But wherever there is a potential exposure to fuel, there is a risk of explosion. Increasingly, ATEX radios are used in areas where workers and on-site fire crews are in close proximity to aviation fuel to keep them safe.



VOICE OF THE CUSTOMER



**BETTER
AUDIO**



**EASIER
TO USE**



**FULL & SIMPLE
KEYPAD OPTIONS**



**BETTER
COVERAGE**



**LONGER
BATTERY LIFE**



**ATEX
ACCESSORIES**



**POWER & PERFORMANCE
DESIGNED FOR EXTREME ENVIRONMENTS**



THE MTP8000Ex SERIES TETRA ATEX RADIOS



MTP8500Ex

MTP8550Ex

MTP8000Ex SERIES



WORK SAFER.
WORK SMARTER.
WORK ANYWHERE.



WORK SAFER



**LOUD &
CLEAR
AUDIO**



**COVERAGE
INDICATOR**



**LARGE
EMERGENCY
BUTTON**



**ENHANCED
COVERAGE**



**BUILT TO
BE SAFE**



**BLUETOOTH
AUDIO**



WORK SMARTER



**ADVANCED
ERGONOMICS**



**TOP
DISPLAY**



**BLUETOOTH
DATA**



**INTUITIVE
USER
INTERFACE**



NAME PLATE

WORK ANYWHERE



**ENHANCED
COVERAGE**



**LOUD AND
CLEAR AUDIO**



**EXTENDED
BATTERY LIFE**



**ADVANCED
ERGONOMICS**



**RUGGED
DESIGN**



**BLUETOOTH
SENSORS**



REDEFINING THE ATEX RADIO



LARGE EMERGENCY
BUTTON



TOP DISPLAY

BEST-IN-CLASS
COVERAGE

LED COVERAGE
INDICATOR

EXAGGERATED
CONTROL KNOB

LARGE FRONT
DISPLAY

T-BAR GRIP

TEXTURED PTT
BUTTON

SLIMPORT
AUDIO

FULL &
LIMITED
KEYPAD

RUGGED DESIGN

NAMEPLATE

TACTILE
KEYPAD

EXTENDED
BATTERY



ACCESSORIES



COMPREHENSIVE
ACCESSORY
PORTFOLIO FROM MSI
AND THIRD PARTIES

- INDUSTRIAL
- FIRE
- STANDARD

ACTIVE NOISE CANCELLING RSM



VOLUME
TOGGLE

EMERGENCY
BUTTON

NEXUS
JACK

ATEX
CERTIFIED

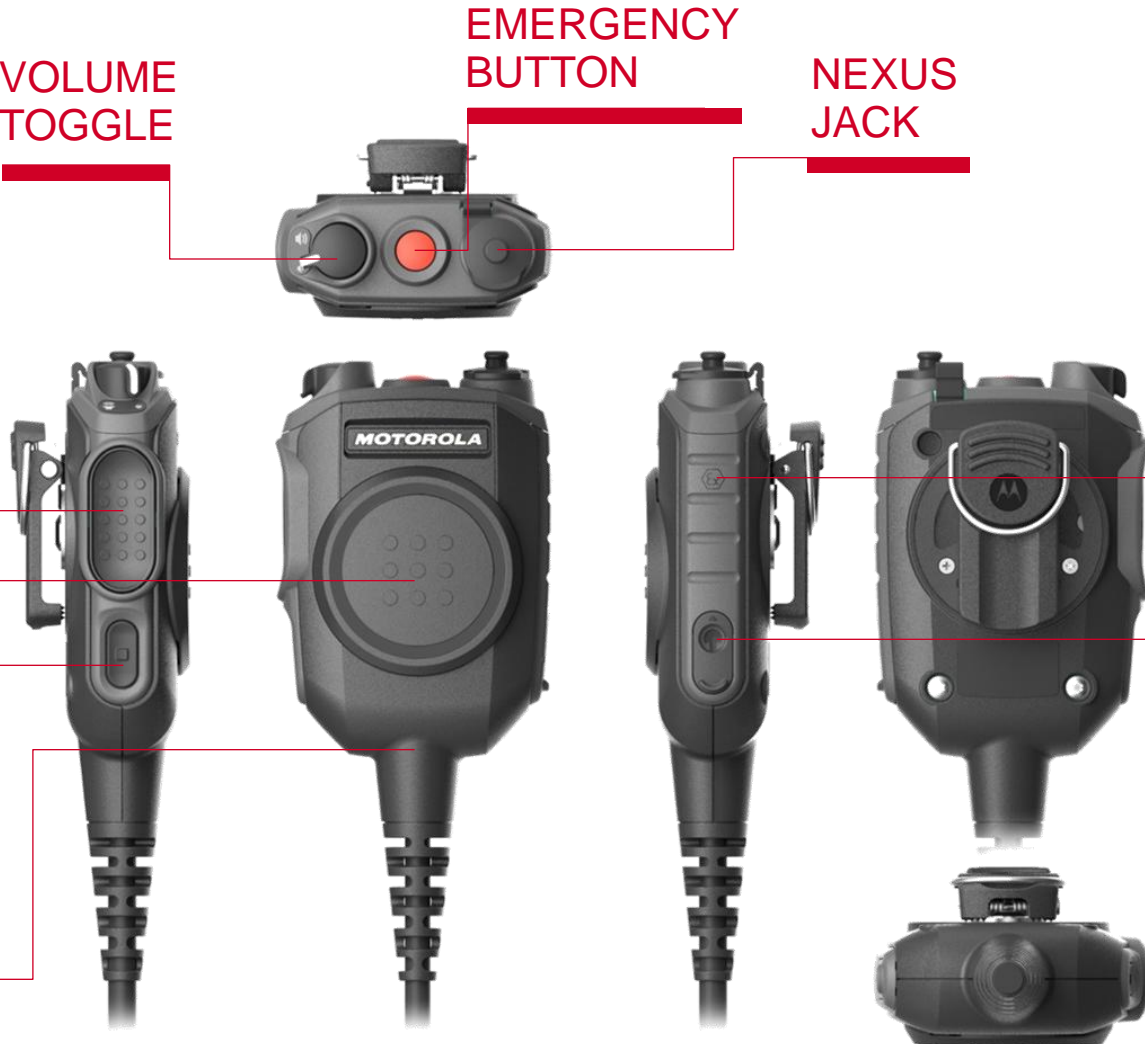
SIDE
PTT

FRONT
PTT

PROGRAM
BUTTON

IP67

3.5MM
JACK



INDUSTRIAL ACCESSORIES



ACTIVE NOISE CANCELLING RSM

Communicate in the most demanding PetroChem & Industrial environments. Two PTT's Side & Front Supports Peltor helmet comms & 3.5mm discreet listening accessories Hi Lo Volume control, Emergency button. 1 Programmable button.



TACTICAL HEADSETS*

For operations in noisy environments. Tactical headset's active noise cancellation protects hearing while maintain peripheral listening & face to face conversations.



TWIN CUP HEADSETS*

For operations in very noisy environments. Twin Cup headsets provide highest hearing protection with two layers of noise attenuation in each ear cup.



3.5mm ACOUSTIC TUBE

For discreet listening the 3.5mm listen only acoustic tube enables discreet listening and is secured to the ANC RSM with push, twist and lock connection.



*Wired and wireless accessories available

FIRE ACCESSORIES



ACTIVE NOISE CANCELLING RSM

Communicate in the most demanding Fire Ground environments. Two large PTT's Side & Front Supports Dräger & Savox Nexus helmet comms & 3.5mm discreet listening accessories. Hi Lo Volume control, Emergency button, 1 Programmable button.



Dräger FPS Com Plus

Has integrated microphones and ear piece, plug directly into the ANC RSM Nexus socket for optimised Tx audio.



SAVOX HC-1

Helmet communications with HC-1 bone conductive microphone and ear piece.



3.5mm ACOUSTIC TUBE

For discreet listening the 3.5mm listen only acoustic tube enables discreet listening and is secured to the ANC RSM with push, twist and lock connection.



STANDARD ACCESSORIES



SINGLE UNIT CHARGERS

IMPRES chargers to automate and maximize charging and battery life performance or standard chargers.



BELT CLIP

2.5 inch belt clip to safely retain the radio on the belt.



CARRY CASES

Enhance user safety using carry cases - get the radio out of your hands and worn on the belt. They free your hands to do the job and protect the radio from knocks, drops or being lost.



VEHICLE CHARGER

Permanent charger vehicle installation. Securely locate radio in the charger and optimise charging on the go.



BLUETOOTH



**FAST PTT
ACCESSORIES**



**HEART RATE
MONITOR**



**LOCATION
SENSORS**



**DATA
COLLABORATION**



**GAS
SENSORS**



**AUDIO
ACCESSORIES**



Integrated Classic Bluetooth (2.1) and Smart Ready Bluetooth (4.0) provide a secure wireless link to accessories and collaborative devices to improve safety, efficiency and effectiveness.

FAST PTT ACCESSORIES



Fast wireless Push-To-Talk buttons can be used when protective clothing and gloves makes it difficult to reach the radio.

DATA COLLABORATION



A mobile computing device or tablet PC can be connected to the radio and used to collect information, such as meter readings, sending the data back to control through the radio.

HEART RATE MONITOR



A heart rate monitor can be connected to the radio and used to detect if the worker or firefighter is at risk of heart problems or failure during strenuous activity or has collapsed in a hazardous environment.

GAS SENSORS



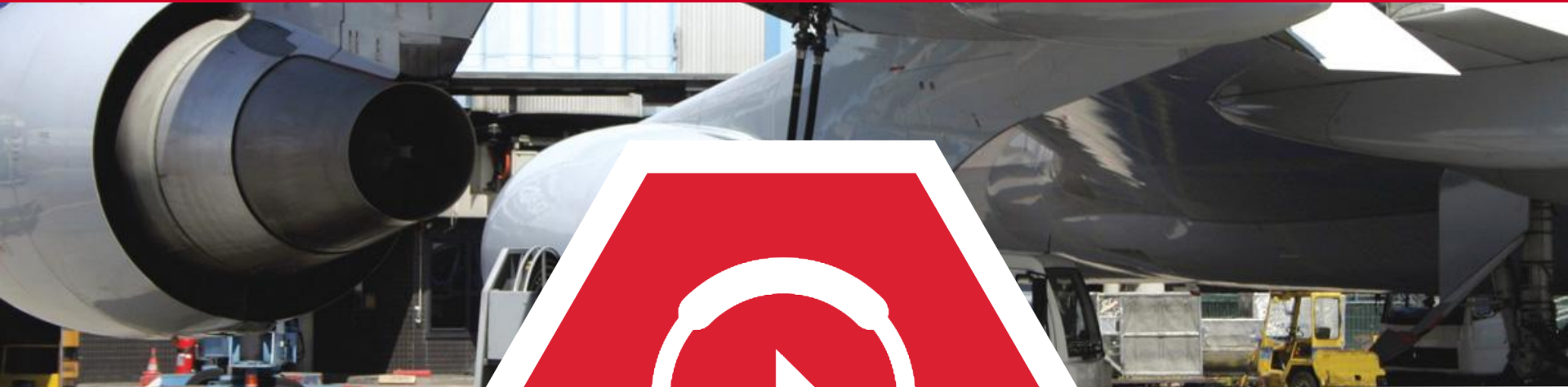
Body-worn gas sensors can be linked to the radio to automatically alert control and the worker to build-up of dangerous gases. If one sensor picks up a gas leak the other workers and control can be warned immediately.

LOCATION SENSORS



Bluetooth beacons across the facility or in high-value buildings can be used to detect the presence of the radio and track the location of the of the worker during a shift or a firefighter during an incident.

AUDIO ACCESSORIES



Wireless headsets and microphones can be worn under protective clothing or in loud environment so workers can communicate safely and clearly. Reduces the risk of catching wires.

COMMUNICATE LOUDLY AND CLEARLY



A team leader at an oil refinery uses his MTP8000Ex TETRA ATEX radio to communicate safely with control and his team as they change shift. The advanced ergonomics mean he can easily change the volume level and talkgroup whilst wearing protective clothing and thick gloves.

His body-worn gas sensor picks up a gas leak and control are instantly notified via the Bluetooth link to his radio. Control uses the location sensor in the radio to identify the source of the leak and advise the team leader of the location.

Using his Bluetooth PTT button, headset and microphone to hear and be heard clearly against the loud background noise, he co-ordinates with Control and calls for help from one of his team. Together they shut off the leaking pipe.



COMMUNICATE WITH VOICE AND DATA



A Fire and Rescue team respond to an accident at a chemical plant. They are issued MTP8000Ex Series TETRA ATEX radios to communicate safely in the hazardous environments.

The firefighters use the Advanced Active Noise Cancelling (ANC) Remote Speaker Microphone (RSM) with headset and speaker microphone to communicate whilst wearing breathing apparatus.

As they move further into the building, the coverage indicator on the radio lets them know they are safely connected. Status updates are easily seen on the top display.

Control is alerted by body-worn heart rate monitor and Bluetooth link to radio that a firefighter is in trouble carrying a casualty. He presses the large emergency button easily, wearing his heavy gloves, as he asks for help.

Despite the loud environment, the team can communicate clearly and easily using the integrated audio solution in the smoke mask via the ANC RSM and find their colleague to help rescue the casualty.



MTP8000Ex SUMMARY



SAFER

PROTECT YOUR WORKERS AND
KEEP THEM SAFE IN THE MOST
HAZARDOUS ENVIRONMENTS

SMARTER

INCREASE EFFICIENCY AND MAINTAIN
SAFETY WITH FEATURES DESIGNED
WITH THE WORKER IN MIND

ANYWHERE

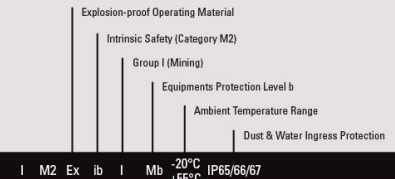
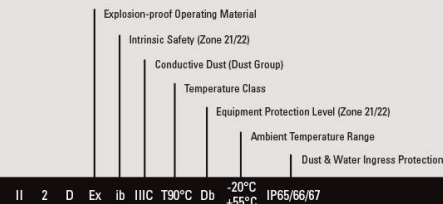
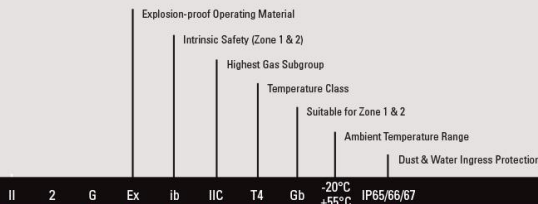
ENSURE SUPPORT FOR YOUR
WORKERS WHEREVER THEY ARE
AND WHATEVER THE CHALLENGE



THANK YOU



IECEx SPECIFICATIONS
IEC 60079-0:2011
IEC60079-11:2011

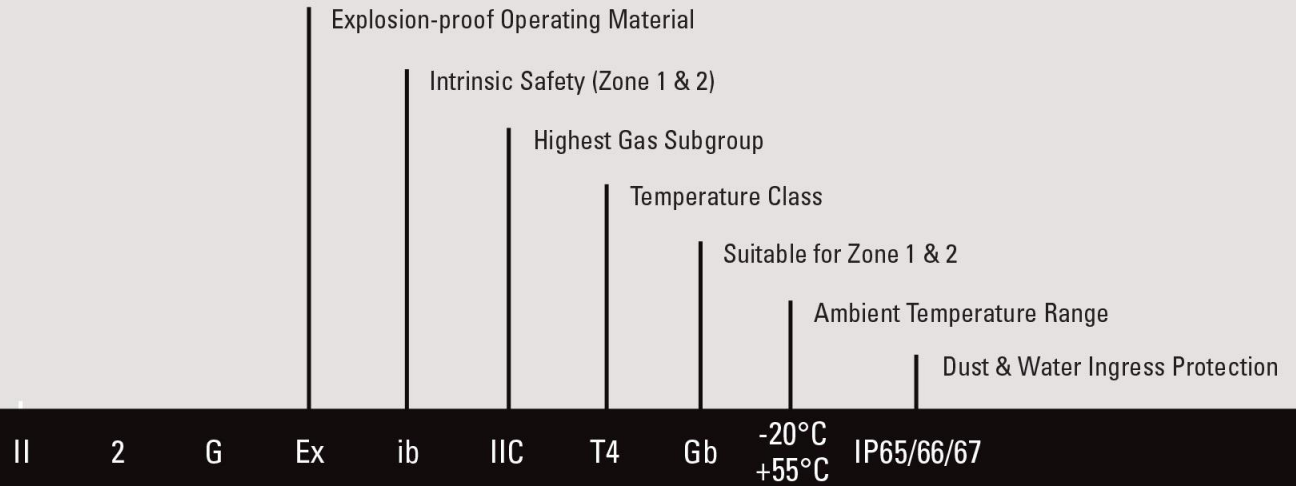


ATEX SPECIFICATIONS
EN60079-0:2012
EN60079-11:2012

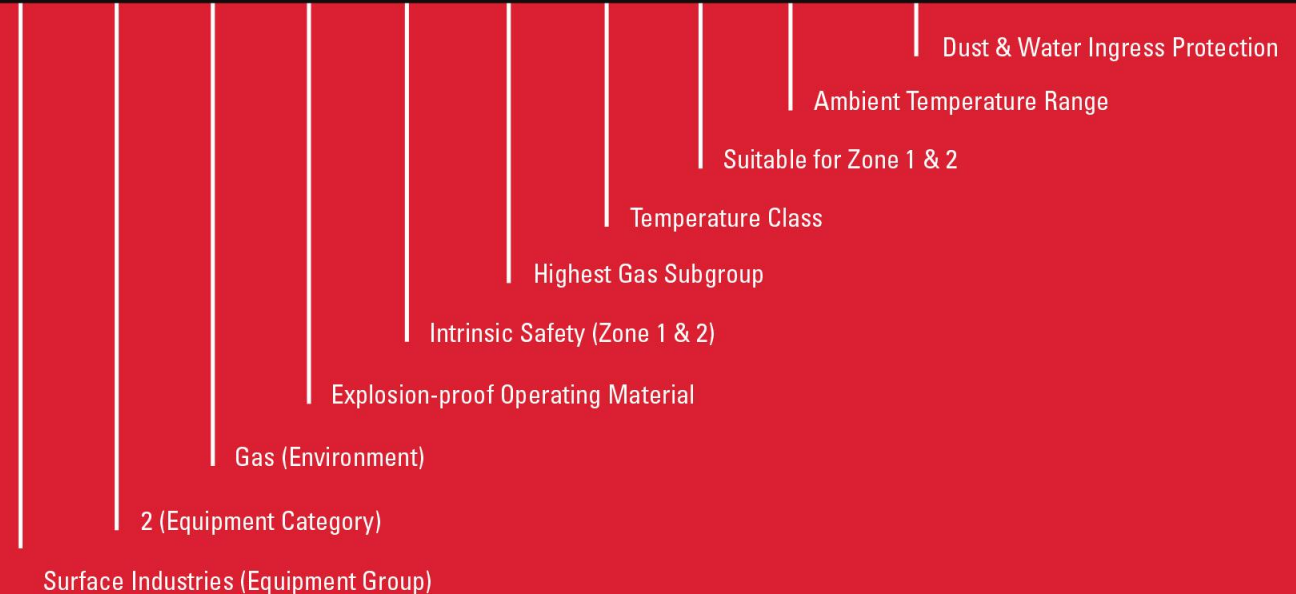
APPENDICES



IECEx SPECIFICATIONS IEC 60079-0:2011 IEC60079-11:2011



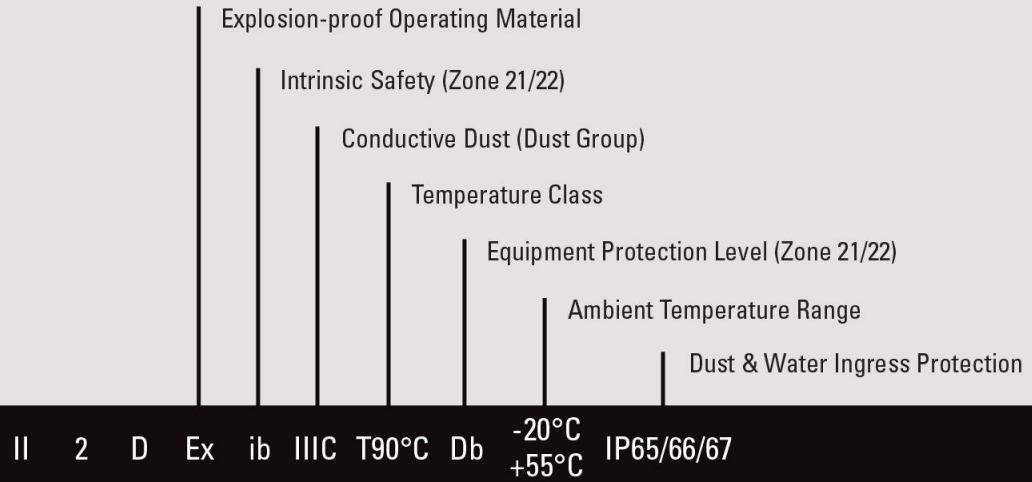
ATEX SPECIFICATIONS EN60079-0:2012 EN60079-11:2012



DUST



IECEx SPECIFICATIONS
IEC 60079-0:2011
IEC60079-11:2011



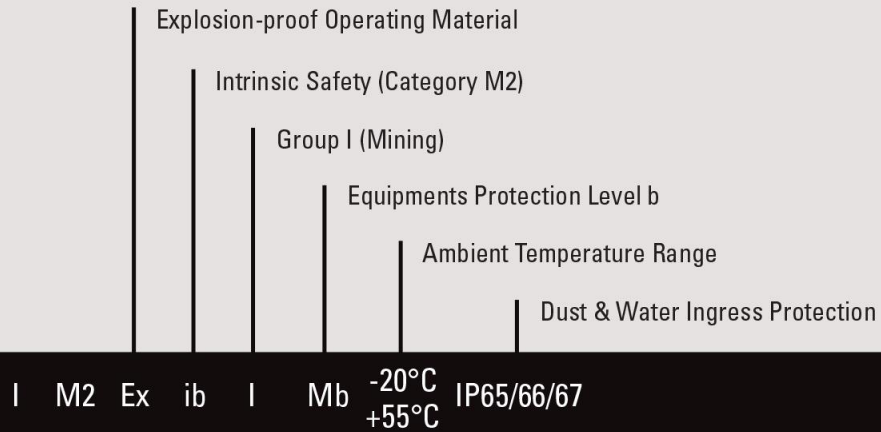
ATEX SPECIFICATIONS
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EN60079-11:2012



MINING



IECEX SPECIFICATIONS
IEC 60079-0:2011
IEC60079-11:2011



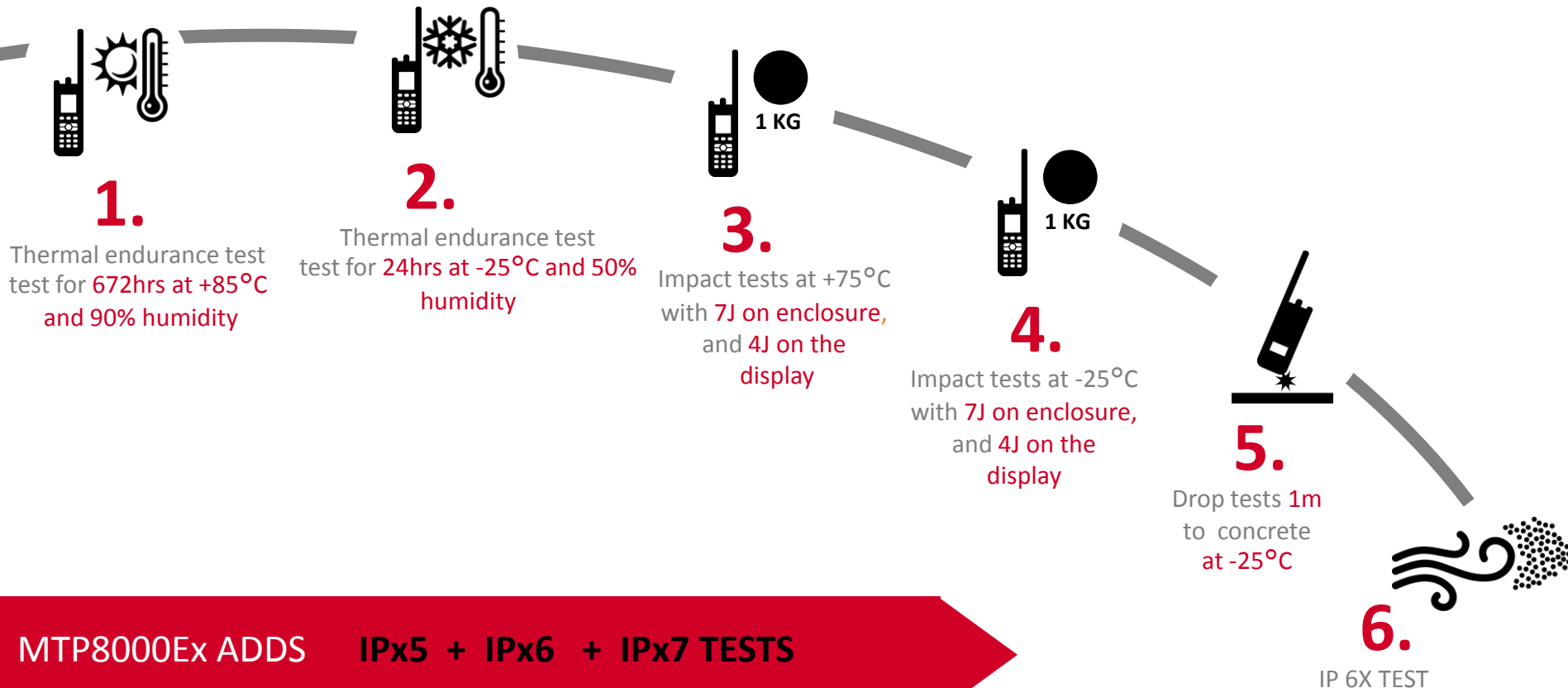
ATEX SPECIFICATIONS
EN60079-0:2012
EN60079-11:2012



SAFETY THROUGH DESIGN



TO ENSURE EQUIPMENT RELIABILITY AND ROBUSTNESS OVER TIME, ATEX STANDARD REQUIRES RADIOS TO UNDERGO ENDURANCE AND MECHANICAL TESTS PRIOR TO IP TESTING.



MTP8000Ex ADDS IPx5 + IPx6 + IPx7 TESTS