SMART

STANDARDS MACHINE APPLICABLE READABLE AND TRANSFERABLE

WHY SMART

Technology has changed the way the world does business, collaborates and consumes content. **By 2025, 38 billion smart devices will be collecting, analysing, and sharing data**. Not only do we need to keep up – we need to get ahead – and we're doing this through SMART.

Today, most IEC/ISO deliverables are human-readable only, because they are focused on humans as users. By evolving our standards and development processes, we will be able to produce Standards that are Machine Applicable Readable, and Transferable (SMART) and evolve our users to include machines – computers – **making standards more integrated into daily lives**!

Many other SDOs are moving in this direction and answering industry demands, but ISO and IEC are the only ones who can transform how content is created and consumed, without compromising what makes us unique – our model of collaboration and consensus, quality and trust.

We are at the tipping point of transforming how we bring international standards to the world. **So join us in helping shape SMART** and ensuring that our products and services remain the most attractive and relevant to the market of today, and tomorrow.

We want standards to be used everywhere and SMART is going to help us achieve that.

THE PROGRAMME

SMART is an IEC and ISO key joint programme, where both are actively involved to ensure alignment and a fruitful collaboration between our organizations.

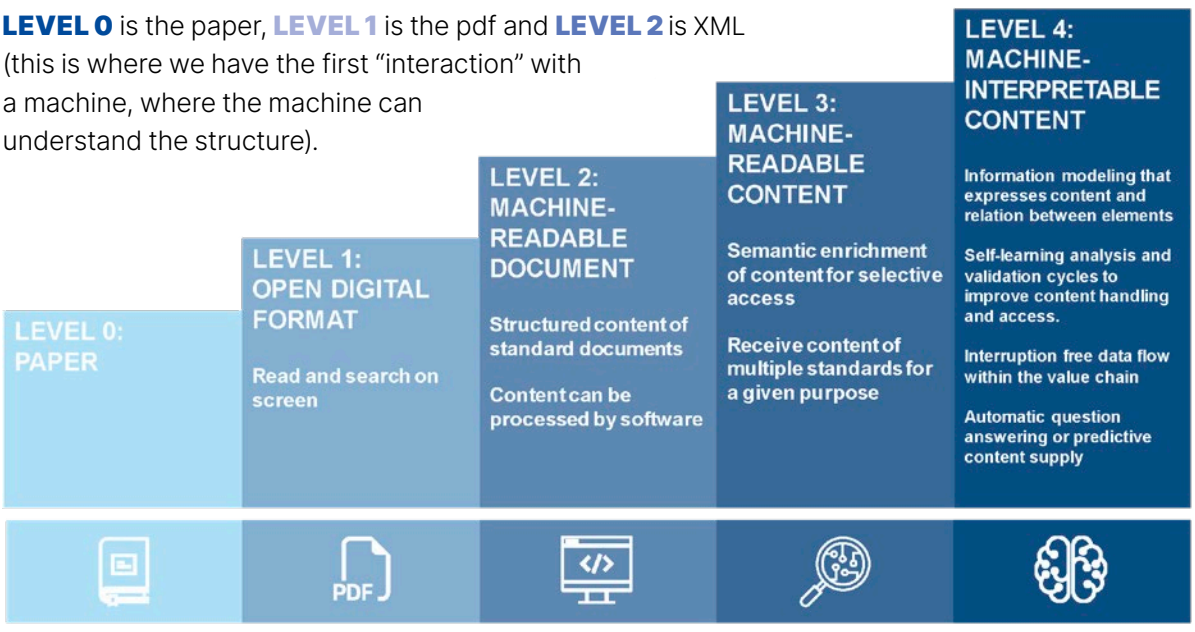
It is structured into three main areas:

- **Capturing and understanding user needs**, and how SMART can address them (Joint Use Cases Group – IEC/ISO JUCG project)
- **Identifying different business models** and any legal implications in the commercialization of this new deliverable (Joint Business Model Group – IEC/ISO JBMG project)
- **Identifying the right architecture** and integrating the solution into our production lifecycle (currently addressed by the ISO Technical Solutions Group – ISO-TS, and the IEC SG12 group, collaboratively working together)

SMART is a tool for the global community, and if we get this right, then we create the architecture to unlock huge potential for the digital economy.

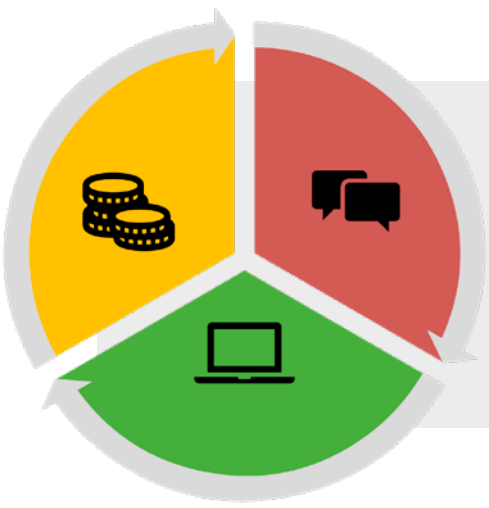
SMART CLASSIFICATIONS AND FEATURES

LEVEL 0 is the paper, **LEVEL 1** is the pdf and **LEVEL 2** is XML (this is where we have the first "interaction" with a machine, where the machine can understand the structure).



LEVEL 3 is when the machine can identify content from the standard, and **LEVEL 4** is where the machine can take that content, interpret and use it.

What you see here is the initial foundations which we are working to put into practice, learn from and feed back into the process to adjust where necessary.



Delivered through three parallel project areas

JUCG – Joint Use Cases Group
Gather representative and comprehensive users' needs

JBMG – Joint Business Model Group
Identify and test appropriate business model

ISO-TS IEC-SG12 – ISO Technical Solution + IEC SG12
Select and build technical solutions

JOIN US ON OUR SMART JOURNEY

iec.ch
iso.org/smart