

Online Gaming

NMi in i-Gaming strategy

European countries are increasingly moving towards the individual regulation of i-Gaming and with the prospect of 27 different sets of gaming regulations in Europe to cover them all will require significant commitment and resources. Certification and ongoing assessments by an accredited test facility such as NMI are mandatory stages in the process of an operator gaining and maintaining their licence in a regulated jurisdiction.

Quick market access

With extensively expertise in regulatory requirements, game mathematics, computer systems and software development, and the ability to deal with customers in their language of choice, NMI is a major player in i-Gaming compliance testing. We offer you quick market access for all regulated European countries.

Responsible gaming

NMI and G4 (Global Gambling Guidance Group) have joined forces in the field of responsible gaming and together offer certification and the opportunity for responsible organizations to raise their profile.

Beyond the standard requirements laid down by the authorities, it is possible to certify best practice for responsible gaming. This enables responsible manufacturers and content developers to show customers, employees and other stakeholders that they have an active policy on preventing addiction and dependency.

Certification may include:

- Training for employees: recognizing, and safeguarding against, the development of gambling problems
- Supply of information about the risks of gambling
- Technical requirements: RNG random number generators

Accreditations for all regulated countries

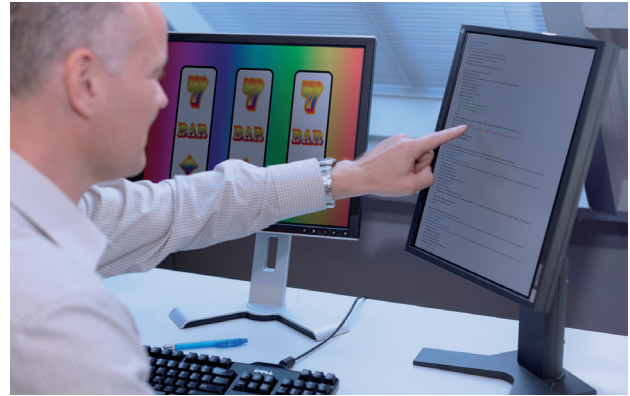
Since the start of the year, NMI's Dutch, Italian and UK offices have been working together to acquire certifications in more locations, and in a very short time we have obtained approvals to test i-Gaming systems for operation in Italy, Malta, Alderney, the Isle of Man, and Kahnawake in Canada and this is just the beginning.



Testing procedures for i-Gaming

Generally the regulations can be divided into technical requirements (for the equipment and infrastructure) and 'human' considerations (policies and procedures):

- **Platform testing** - The first step is to 'baseline' the platform to ensure that the fundamental aspects are in place and are functioning legally. These will include aspects of the 'user experience' (player consent verification, inactivity timeouts, self-imposed limits on gambling and self-exclusion). Other key requirements that can be assessed include data storage, archival, retrieval and reporting systems. Websites are usually required to have a secure audit trail, and some jurisdictions even require a live feed of data direct to the regulator.
- **Game testing** - Having established the integrity and security of the platform, individual games can be assessed. These can range from single-player casino-style games to multi-player tournaments.
- **Random Number Generator (RNG) testing** - Systems offering simulated games will use RNGs to generate random outcomes. NMI has been testing RNGs (for lotteries and street gaming machines) for years, so this is familiar territory for our test engineers.
- **Live dealer evaluation** - NMI has long experience of assessing 'real world' casinos and lotteries, and the assessment of 'live dealers' for i-gaming sites is undertaken in the same fashion, with additional verification of the security and accuracy of live feed transmission and the prevention of collusion and other cheating methods.
- **Sportsbook evaluation** - Assessments of betting on sporting events (and exchanges) through online sites involves additional safeguards, including the accuracy of the odds offered, and the fair settlement of winning bets.
- **Periodic game payout evaluation (including %RTP calculation)** - Many sites publish regular 3rd party updates to confirm the payout levels of their games, but these reports are easy to fake. NMI's service includes the online publication of digitally signed reports so that players can be assured of their provenance.
- **Game updates, clones and additional languages** - It is common for games to be adapted with new graphics, features and mathematical profiles, for new games to be 'cloned' from existing ones, and for additional language variants to be released.
- **'Static content' assessment** - This step will include an assessment of statutory messaging, rules, and instructions for use, often in a variety of languages, given the international appeal of many gaming sites.
- **Information Systems Security (ISS)** - Some regulators require an audit of operator's system security arrangements, which will sometimes include 'penetration testing' (in which systems are scanned automatically for security flaws). Other regulators take a more human-centric approach, requiring reviews of the operator's policies, procedures and controls, such as those defined in ISO 27001. Of paramount importance is the protection of player identities, personal data, and their gambling records.
- **Delta testing** - Platforms are evolving constantly, offering new enhancements and gaming opportunities to retain their existing customer base and attract new players. Testing such changes effectively (without necessarily returning to 'first principles' every time) is another important aspect of NMI's work.



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