
**Northern Territory
Gaming Equipment
Approval Process**

&

**Appendix to the
Australian / New Zealand
Gaming Machine National
Standards**

Version: 10.1
17 July 2009



CONTENTS

CONTENTS	2
GLOSSARY	3
NT.1.0 INTRODUCTION	4
GAMING REGULATORY AUTHORITY	4
GENERAL	4
DOCUMENT CONTROL	4
AUSTRALIAN / NEW ZEALAND NATIONAL STANDARDS	4
LEGISLATION	4
NT.2.0 POLICIES	4
APPROVAL OF GAMING EQUIPMENT	4
MONITORING OF GAMING MACHINES	4
EVALUATION COSTS	4
ROLL OF MANUFACTURERS & SUPPLIERS	4
SAFETY	4
JACKPOTS	5
GAMES THAT HAVE A COMPONENT OF STRATEGIC SKILL (REFER CLAUSE 3.9.13 OF THE NATIONAL STANDARDS)	5
NT.3.0 TECHNICAL REQUIREMENTS	5
GENERAL	5
NT COMMUNITY GAMING MACHINES	5
NT CASINO MACHINES (POKER MACHINES)	6
NT.4.0 APPROVAL PROCESS	6
FIGURE 4.1 APPROVAL FLOWCHARTS	6
NT COMMUNITY GAMING EQUIPMENT - MUTUAL APPROVAL FROM THE QUEENSLAND CLUB & HOTEL MARKET	6
NT COMMUNITY GAMING EQUIPMENT - ATF CERTIFICATION	6
NT CASINO GAMING EQUIPMENT - ATF CERTIFICATION	7
ATF CERTIFICATION - "CERTIFICATION & CONDITIONAL APPROVAL"	7
NT.5.0 SUBMISSION MATERIAL	7
GENERAL	7
MANDATORY SUBMISSION MATERIAL	7
SUBMISSION FORMATS	8
NT.6.0 DIVISION CONTACT	9
CORRESPONDENCE	9
NT.7.0 TRANSPORTATION OF GAMING MACHINES	9
TRANSPORTATION ADVICE	9
NT.8.0 REVISION HISTORY	10
NT.9.0 RELEASE INFORMATION	10



GLOSSARY

Definition

Approval	A document issued by the Director giving authority for gaming equipment to be operated within a licensed gaming venue.
Approved Evaluator	A person who is approved as an evaluator under the Gaming Machine Act.
ATF	Nationally Accredited Test Facility formally approved by the Director.
Certification	A document produced by an ATF and signed by an approved evaluator declaring gaming equipment satisfies the NT Appendix and the NT Approval Process (chapter NT.4.0).
Certification & Conditional Approval	The title of the ATF Certification. An NT gaming operator may install gaming equipment as detailed in this document.
Director	Director of Licensing.
Division	Licensing, Regulation and Alcohol Strategy Division of the NT Department of Justice.
EGM	Electronic Gaming Machine / Electronic Poker Machine.
FIPS PUB	United States Federal Information Processing Standards Publication.
Game	The set of rules that defines the play and awarding of prizes on a gaming machine.
Gaming Equipment	Means a gaming machine, a game, linked jackpot equipment, electronic monitoring system, centralised credit system or any part of or replacement part for such a machine, equipment or system.
Gaming Machine	As defined under the Gaming Machine Act and the Gaming Control Act and includes a Poker Machine.
HMAC	Keyed-Hash Message Authentication Code (refer: FIPS PUB 198).
HMAC-SHA1	HMAC utilising: a key (seed), the Program Media file and the SHA-1 hash function. (suitable applications: QOLGR HMAC-SHA Utility available from the Division, HashCalc from slavasoft.com).
Jurisdiction	Australian / New Zealand State or Territory gaming regulatory body.
LMP	Licensed Monitoring Provider, The NTTAB has the LMP licence until 1 July, 2011.
Mutual Approval	An approval issued by the QOLGR, recognised as approved within the NT.
National Standards	Australian / New Zealand Gaming Machine National Standards.
NSD	Nominal Standard Deviation. (refer clause 3.9.17 of the National Standards).
NT	Northern Territory of Australia.
NT Casinos	Lasseters Hotel Casino, Alice Springs & Skycity, Darwin.
NT Community	NT clubs and hotels.
PID	Player Information Display.
Poker Machine	The approved NT Casino game utilising gaming machines.
Program Media	Media upon which the program code or data is stored. e.g. EPROM's, Flash ROM's.
PSD	Program Storage Device.
QCOM	Queensland Treasury EGM Communications Protocol.
QOLGR	Queensland Office of Liquor, Gaming and Racing.
RTP	Return To Player.
SHA-1	Secure Hash Algorithm (refer: FIPS PUB 180-2).
Transportation Advice	Emailed summary of gaming machines being transported into the Northern Territory.
Venue	NT Casino, NT Club or NT Hotel, having a gaming licence.



NT.1.0 INTRODUCTION

Gaming Regulatory Authority

NT.1.1 The NT Department of Justice, Licensing, Regulation and Alcohol Strategy Division is the agency responsible for administering the legislation for the regulation of gambling within the Northern Territory.

General

NT.1.2 This document is the Division's appendix to the Australian / New Zealand Gaming Machine National Standards. It describes the approval process and the additional technical & submission requirements for gaming equipment for operation in gaming venues within the NT.

Document Control

NT.1.3 The document version number is a combination of major and minor revision numbers. The significance of the document changes shall be indicated by an increment in the respective revision number. Summaries of changes are detailed in the documents 'Revision History'.

Australian / New Zealand National Standards

NT.1.4 The Gaming Machine National Standards is the principal technical standard for gaming equipment intended for operation in NT clubs, hotels and casinos. This appendix is applicable to the National Standards up to and including revision 10.xx as released by the National Standards Working Party. A non-mandatory grace period of up to 6 months is permitted before new requirements come into force.

Legislation

NT.1.5 This document is issued pursuant, but not limited to, sections 4, 14, 26, 31 & 51 of the NT Gaming Control Act, sections 17, 22A, 116, 117, 127, 131, 161 & 161A of the NT Gaming Machine Act, sections 23 & 24 of the Northern Territory Licensing Commission Act and the relevant Regulations and Rules issued under these and other relevant Acts.

NT.1.6 The relevant legislation may be found at <http://www.nt.gov.au/lant/>

NT.2.0 POLICIES

Approval of Gaming Equipment

NT.2.1 Gaming Equipment and Gaming Machine Games that satisfy the Approval Process (refer chapter NT.4.0) are herewith Conditionally Approved for operation within the defined category of venue. Other gaming equipment shall be subject to an evaluation for approval as determined by the Director of Licensing.

Monitoring of Gaming Machines

NT.2.2 NT club & hotel gaming machines shall be monitored by the NT licensed monitoring provider. Alice Springs and Darwin casinos operate in-house gaming machine monitoring systems.

Evaluation Costs

NT.2.3 The Director may accept gaming equipment for evaluation on payment of the prescribed fee.

NT.2.4 Manufacturers and suppliers are responsible for the costs for gaming equipment certifications and evaluations.

Roll of Manufacturers & Suppliers

NT.2.5 Manufacturers and suppliers of electronic gaming equipment will be placed on the '*Roll of Recognised Manufacturers and Suppliers of Gaming Machines*' following consideration of probity and such other investigations the Director deems necessary.

Safety

NT.2.6 Gaming equipment shall be manufactured considering all applicable standards (e.g. Electrical, Electromagnetic Interference, Environmental, Occupational Health and Safety etc.) and the environment in which the equipment will be operated.



Jackpots

NT.2.7 Wide area multi-venue gaming machine jackpots are not permitted in the NT.

NT.2.8 Jackpot systems for use within NT Community venues shall be identical to, or derived from, jackpot systems approved for use within Queensland clubs & hotels.

NT.2.9 Jackpot systems for use within NT Casinos shall be evaluated and approved on a case by case basis.

Games that have a component of strategic skill (refer clause 3.9.13 of the National Standards)

NT.2.10 A fundamental requirement for 'Strategic Skill' is the availability, to the player, of objective rationale as the basis for strategy decisions. A statement such as 'choice A is better than choice B' is not considered 'Strategic Skill'.

NT.3.0 TECHNICAL REQUIREMENTS

General

NT.3.1 Gaming equipment for NT clubs, hotels and casinos shall meet the requirements of the National Standards and this Appendix.

NT.3.2 This document applies to all gaming equipment intended for operation within the NT and takes precedence over any contradicting standards / requirements.

NT.3.3 Subject to clauses NT.3.9 & NT.3.19 or unless specifically approved, gaming machines shall be fitted with electromechanical meters as described in the National Standards (2.4 Computer & Peripheral Hardware | Hard Meters).

NT.3.4 Artwork themes, including: religious, cultural, indigenous sacred sites, representations of intoxication, drug, liquor and tobacco related images, may be considered inappropriate. Such artwork may be individually submitted for consideration.

NT.3.5 Games having a Nominal Standard Deviation (NSD) greater than 15 (refer clause 3.9.17 of the National Standards) are subject to the following requirements:

NT.3.5.1 Where the game variation RTP (not including RTP from a link jackpot) is less than or equal to 88%, the NSD for the game variation shall be no greater than 15.

NT.3.5.2 Where the game variation RTP (not including RTP from a link jackpot) is greater than 88%, the NSD for the game variation may be greater than 15, on the condition that the lower 95% confidence limit for the variation at 150,000 games is greater than 80.409% (i.e. being the lower 95% confidence limit for a theoretical game having an RTP of 88% and a NSD of 15 at 150,000 games):

$$80.4090\% = 88\% - \left(1.96 * \frac{15}{\sqrt{150000}} \right)$$

NT.3.6 Upon application, the requirement for EGM PSD Verification utilising the HMAC-SHA1 may be waived for Gaming Equipment approved prior to 5th December 2007 (refer clauses 3.1.3 & 3.2.15 of the National Standards).

NT Community Gaming Machines

NT.3.6 Jackpot systems for use within NT Community venues shall be identical to, or derived from, such systems approved in Queensland clubs & hotels.

NT.3.7 Gaming machines and gaming machine games for operation in NT clubs & hotels shall be QCOM protocol compliant and identical to the same approved by the QOLGR for the Queensland club & hotel market.

NT.3.8 QOLGR club & hotel (QCOM) approved gaming machine types and games that satisfy chapter NT.4.0 Approval Process are herewith Conditionally Approved for operation within NT Community venues.

NT.3.9 Electromechanical meters are not mandatory on NT Community (QCOM) gaming machines.

NT.3.10 The minimum game RTP for NT clubs & hotels is 85%, this may include RTP from a jackpot.



NT.3.11 The maximum stake or wager for NT Community games shall not exceed \$5.00, gamble/double-up excluded.

NT.3.12 Operational banknote acceptors are not permitted in NT Community machines. Where a banknote acceptor is installed within an NT Community machine, a manufacturer approved blanking plate shall be fitted.

NT Casino Machines (Poker Machines)

NT.3.13 Jackpot systems for use within NT Casinos shall be evaluated and approved on a case by case basis.

NT.3.14 Gaming equipment evaluated against the National Standards and currently approved for use within another Jurisdiction requires a Certification against this Appendix, issued by an NT approved ATF.

NT.3.15 Gaming equipment that is not currently approved for use within another Jurisdiction requires a Certification against National Standards version 10.xx and this Appendix, issued by an NT approved ATF.

NT.3.16 The minimum game RTP in NT Casinos is 88%, this may include RTP from a jackpot.

NT.3.17 There is no maximum stake or wager for NT Casino games.

NT.3.18 There is no limit on the value of prizes won from a game or from a gamble/double-up feature for NT Casinos.

NT.3.19 Electromechanical Meters are not mandatory in casino venues where the poker machine is monitored by an approved monitoring system that records the poker machine meters.

NT.4.0 APPROVAL PROCESS

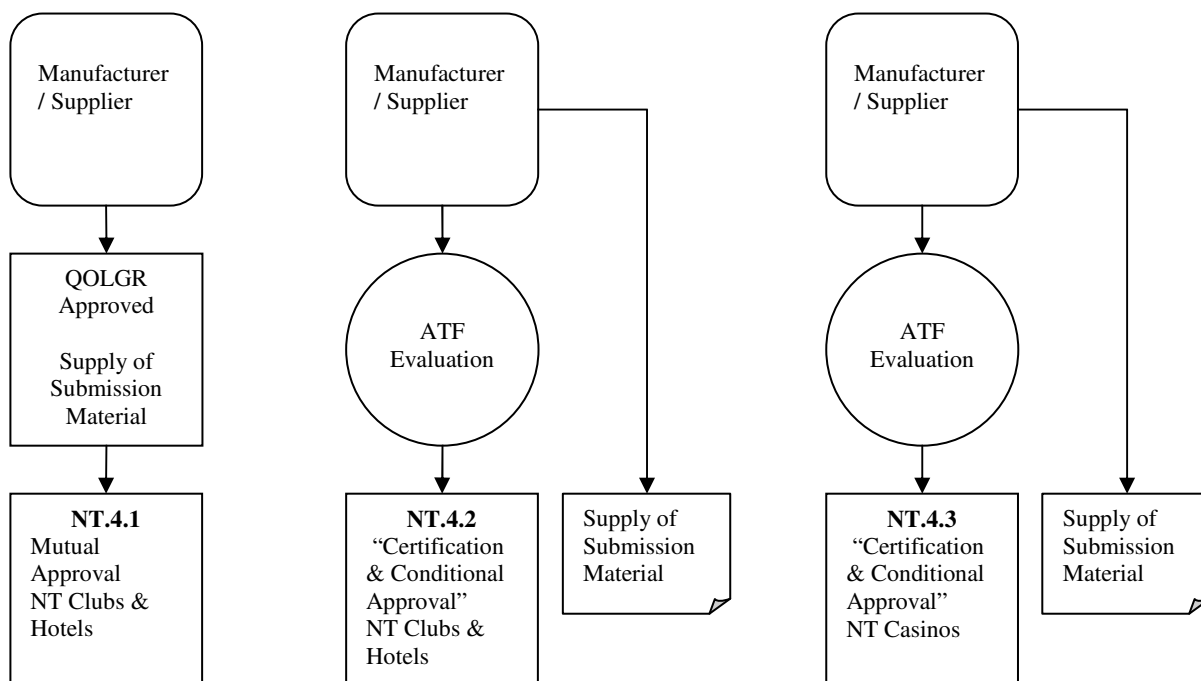


Figure 4.1 Approval Flowcharts

NT Community Gaming Equipment - Mutual Approval from the Queensland Club & Hotel Market

NT.4.1 Gaming Equipment that is, and remains, approved by the QOLGR for the Queensland club & hotel market is mutually approved for operation in NT clubs & hotels, subject to NT.4.5 Conditions of Approval and the supply of the material defined within chapter NT.5.0 Submission Material.

NT Community Gaming Equipment - ATF Certification

NT.4.2 Gaming Equipment that is Certified by an NT approved ATF is conditionally approved for operation in NT clubs & hotels, subject to NT.4.5 Conditions of Approval and the supply of the material defined within chapter NT.5.0 Submission Material.



NT Casino Gaming Equipment - ATF Certification

NT.4.3 Gaming Equipment that is Certified by an NT approved ATF is conditionally approved for operation in NT Casinos, subject to NT.4.5 Conditions of Approval and the supply of the material defined within chapter NT.5.0 Submission Material.

ATF Certification - "Certification & Conditional Approval"

NT.4.4 On completion of an evaluation the ATF shall forward a report entitled "Certification & Conditional Approval" and all required submission material to the Division. (i.e. material identified under section NT.5.0 of this document).

NT.4.4.1 The ATF report shall identify the versions of the related standards, including:

NT.4.4.1.1 Gaming Machine National Standard;

NT.4.4.1.2 NT Appendix to the National Standards; &

NT.4.4.1.3 Any other applicable Standards.

Conditions of Approval

NT.4.5 The following conditions apply to mutual approvals and ATF Certifications issued pursuant to this document:

- Equipment shall be installed as detailed in the QOLGR approval or the ATF Certification.
- Correct ongoing operation of the equipment and associated hardware.
- Equipment is operated in conjunction with an approved hardware platform.
- Equipment is operated in conjunction with an approved monitoring system.
- Equipment (Games) having less than the minimum RTP (refer NT.3.10 & NT.3.16) shall only be operated in conjunction with an approved progressive jackpot system and approved jackpot parameters, ensuring the minimum RTP is maintained.
- Equipment (Games) having a Nominal Standard Deviation (NSD) greater than 15 shall only be operated in compliance with NT.3.5.1 & NT.3.5.2.
- Operational Banknote Acceptors are not permitted in NT clubs & hotels.
- The supply of additional submission material if requested.
- Advice to this office on any change to approval status within any other jurisdiction.
- Approval may be withdrawn pending further evaluation.

NT.5.0 SUBMISSION MATERIAL

General

NT.5.1 Manufacturers and suppliers, at their discretion, may initiate a gaming equipment submission to an ATF. Prior authorisation from this office is not required.

NT.5.2 The following material is a mandatory requirement for all gaming equipment for operation within the NT. This material may either be sent directly to this office or provided as part of a Certification produced by an ATF. This material shall, wherever possible, be provided in an electronic format on CDROM.

Note: Submission material shall no longer be sent to the QOLGR for forwarding to the NT.

Mandatory Submission Material

NT.5.2.1 A signed & witnessed 'Certification & Indemnity Declaration' per clauses 6.1.2 b), 6.5.14 & Appendix I of the National Standards. A scanned image may be provided on CDROM, on the basis that the original document is kept by the manufacturer / supplier for seven (7) years;

NT.5.2.2 Gaming equipment Service & Operator manuals;

NT.5.2.3 Gaming equipment specifications;

NT.5.2.4 Gaming equipment engineering drawings, schematic & wiring diagrams;

NT.5.2.5 Game mathematics;



- NT.5.2.6 Game artworks presented to the player: (including: visual symbols, images, written text, audible sounds and other effects);
- NT.5.2.7 The 160-bit message digest (40 hexadecimal characters) utilising the HMAC-SHA1 algorithm (seed=0x00) for each of the gaming equipment PSD's;
- NT.5.2.8 Program media labels in an electronic format along with a precise description of the related PSD (a digital photo is suitable);
- NT.5.2.9 'Game Profile' per clause 6.4.7 Appendix II of the National Standards;
- NT.5.2.10 'Progressive Summary' per Appendix III of the National Standards;
- NT.5.2.11 A copy of the gaming equipment interstate approval(s), where available; &
- NT.5.2.12 Non off-the-shelf sample blank PSD's & PSD programming/verification equipment (such equipment shall provide for seeding of the HMAC-SHA1 algorithm).

NT.5.3 The following material is generally not required to be supplied to this office:

Note: This material may be required by an ATF, however such material should only be forwarded to this office when specifically requested.

- NT.5.3.1 Source code;
- NT.5.3.2 Programmed Program Storage Devices;
- NT.5.3.3 Program Storage Device binary images; &
- NT.5.3.4 Gaming Equipment Hardware.

Submission Formats

NT.5.4 Subject to clause NT.5.5, submission material shall conform to chapter 6 of the National Standards.

NT.5.5 Where identical gaming equipment has been approved for use within another jurisdiction, the submission material may be provided in the format required by that jurisdiction.

NT.5.6 The previously required Submission Notice is no longer required.

NT.5.7 The preferred submission media is CD-ROM (slim CD case preferred).

NT.5.8 Manufacturers and Suppliers are encouraged to utilise PGP Security to sign and/or encrypt electronic submission material limiting access to such material to authorised organisations. The Division's Public PGP Key is herein attached:

-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: PGP for Business Security 5.5.3

```
mQGiED711VURBADsqITKnXGMuD9W8khp1Vsdw9fPXUg7tJY/+oJFamp9eNEu3qRL
MchbRdzx8+XhJ9fXIN6aBEWFzLTkxw/Tt4vewhCi4IGPgZ+TdZXQIRzEY17kb/ES
1+2LSxkq1uSguTuNiMI/eOk/8Di+/pYniMxx0DXVGrFweWW6JhH4Tqc5QCg/0D5
cusA2zvZMFLFZYcfqFmb0EALR7Q82/EYrd8/n97GhgZPK+KQ8xzqGmeBfagf/
u8OkqFu5bc9HtGw8/5ZtP876dDWPHQntGfWfsDA6Tcf+DpTFbfcf3+Lr4tua4++I1
oRwF5n6CAfp7ovGwHEZtBvERpaky3n1xvi5svvoLn+CMcvn3Z+29yhSKFEFVU0Q
e50IA/42VNs2d2ThGpGCJQSQTiZT6zfdze6SuzlnHipuudYX5z4R9sPFUKXp0jGD
R0MTeiWJrar1UI/CH8/s4ovyksWt117Xu7lKXYP2xrIXx0Ds6P0B49BOMx0aoRXq
Q6dNJOWhkyy/6v4NREuהלObRBj9h0521kr7QK3iqTu09b9yubQgTLRUIFJhY21u
ZywgR2FtaW5nIGFuZCBMaWNlbnNpbmeJAEsEEBECAAsFAj711VUECWMAQAKCRBy
+L5uEGJyT0o0AJ9XMRcBN+8j01yCFa712bj+tRQnYgCghyN99ERZogv1J9Gw5G1s
o1ENvWw5Ag0EPvXVVRAlAPZcV7cIfwqXcqK61q1C8wXo+VMROU+28M65S2gg2Gn
VqMU6Y9AVfPQB8blQ6mUrfdmZIZJ+AyDvWXPf9Sh01D49V1f3HZSTz09jdvOmeFX
klnN/biude/F/Ha8g8VHMGHOFmlm/xx5u/2RXscBqtNbn02gpXI61Brwv0YAWCv1
9Ij9WE5J280gtJ3kKqC2azNsOAlFHQ98iLMcfFstjvbyzSPAQ/C1WxiNjrtVjLhd
NM0/Xxv00jHRhs3jMhLLUg/zhsS1AGBGNfISnCNLWHSQDgCGHKrK1QzZlp+r
0ApQmwJG0wg9ZqRdQZ+cfL2J5yIZJrqr017DVeKyCzsAAgIH/jWgtSBS2GwN21pR
2aRpDfM7WuHFsAzMI+N0iF4aVWmqQL6f2cAGxejy/RfDnhAaQUBKgdU2aIYNHx1+
X5cCm1Sm+VCc9Hk+1PbbSma6qVCCFX9hPIwi/g4/E/LLhGGR+npfN5cVjtr9EK+K
TmsMpBm10AtuWneTifqB1Ezf/t9cubLn7mq5btFuhbMe3/XGdLnYCHMuSBY6oq7z
ftk1IdQ0T0X7E0Q21aPkTzszYzK5mHWBL83SgvFconctAeOqGI20keL4o1bn/ajzWE
9gA6gk+WT+c2JpQLsJMyzm3W8IMjuEOBZ6mWdF/WwN5KVUzGdp/O/W//BKSkG1PK
tKYTghqJAIEYEGBECAAYFAj711VUACgkQcvi+hbBick/U8gCg7Q7nheNg+Js0rcbb
V6+5GDYg3YAoIkBmFVH5WYudIhxVg0z3PoedEYs
=oitc
-----END PGP PUBLIC KEY BLOCK-----
```



NT.6.0 DIVISION CONTACT

Correspondence

NT.6.1 General correspondence, submissions and Certifications shall be sent to the following address.

Postal: Director of Licensing
Northern Territory Department of Justice
Licensing, Regulation and Alcohol Strategy Division
GPO Box 1154
DARWIN NT 0801

Residential: Level 1 Enterprise House
28 – 30 Knuckey Street
DARWIN NT 0800

Email: electronic.gaming@nt.gov.au

Telephone: 08 8999 1308

Facsimile: 08 8999 1888

NT.7.0 TRANSPORTATION OF GAMING MACHINES

Transportation Advice

NT.7.1 Suppliers of gaming machines shall provide Transportation Advice to the Division, containing information relating to all gaming machines being transported into the Northern Territory.

NT.7.2 Transportation Advice shall be provided via email to the division email contact. The Advice shall include the following detail for each gaming machine being transported: make, model, game_name, serial_number, origin & destination.



NT.8.0 REVISION HISTORY

Date	Version	Description	Author
12/01/2001	1.0	This is the new 'Northern Territory Submission Requirements & Appendix' to the Australian / New Zealand Gaming Machine National Standards. The document replaces the 'Submission requirements for the technical evaluation of electronic gaming equipment for use within NT casinos and community gaming venues' dated 29-Jun-97.	
17/05/2001	2.0	Changes to effect the change of community EGM communications protocol to QCOM.	
17/08/2005	8.0	Incorporates up to and including Version 8.xx of the National Standards. Version number change to reflect associated version of the National Standards. QCOM version 1.6 implementation. HMAC-SHA1 signatures for PSD's. PGP Public Key included. General update of document.	S. Newland
1/11/2007	9.0	Incorporates up to and including Version 9.xx of the National Standards. Version number change to reflect associated version of the National Standards. Change of Department name to Department of Justice. Submission Notice is no longer required. Transportation Notice is no longer a separate form. General update of document. NSD references added.	S. Newland
5/12/2007	9.1	Dispensation may be considered regarding HMAC-SHA1 PSD Verification for previously approved EGM's, effective only until 30 th June 2009.	S. Newland
30/6/2008	9.2	Typos corrected in clause NT.3.4	S. Newland
12/12/2008	9.3	Major revision. Gaming Operators may install gaming equipment as detailed on the "Certification & Conditional Approval" issued by an Accredited Test Facility.	S. Newland
5/06/2009	10.0	Major revision. Adoption of National Standards Revision 10.0	S. Newland
17/07/2009	10.1	Minor revision. Dispensation may be considered regarding HMAC-SHA1 PSD Verification for EGM's approved prior to 5 th Dec 2007.	S. Newland

NT.9.0 RELEASE INFORMATION

Title: Northern Territory Gaming Equipment Approval Process & Appendix to the Australian / New Zealand Gaming Machine National Standards
Author: Electronic Systems Division
Version: 10.1
Print Date: Friday, 17 July 2009
Authority to Release: Director of Licensing

SIGNED

____/____/____
DATED

