

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 1 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

INTRODUCTION

The purpose of this document is twofold:

- 1) To provide Manufacturers and Exporters with technical information on compliance requirements in support of Shipment certification, Registration and Licensing procedures.
- 2) To provide ICCP approved laboratories with information on the performance of Pre-supply Testing

INDEX

Section	Description	Page No.
A	List of products under this category which are currently subject to certification	2
B	Name and reference number of Saudi Standards applicable to this regulated category.	2
C	Registration procedures and lists the Saudi essential requirements that must be taken into consideration.	3
D	Provides an outline of KSA ICCP Type Approval Licensing procedures.	4
E	Lists the specific tests to be performed or alternatively test data to be evaluated by an ICCP approved laboratory for the purpose of pre-supply testing, or testing as part of the Registration Verification review process, or as a part of the annual Licensing renewal.	4- 6
F	Additional Inspection Requirements (AIR)	7- 10
	I Multi-Media Equipment, Combined Function Audio and/or Video Systems	8- 10

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 2 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

SECTION A: Scope of Category

Products Covered Under this Category	Products Excluded from this Category
Cassette players and/or recorders	Stand-alone audio products (except radio receivers) (These are covered by category II-03)
Record players (turntables)	Stand-alone video playing and recording systems (These are covered by category II-04)
Compact disc players and/or recorders	Stand-alone radio receivers and combined functioned car radios (These are covered by category II-43)
Digital video disc players	
Video laser disc players	
Digital audio tape players and/or recorders	
Television sets with tuner capability	
Video cassette players and/or recorders	
Combined microphone/speaker systems	
Electric sound amplifier sets (combined amplifier/speaker sets)	
Other magnetic tape recorders incorporating sound reproducing apparatus	
Radio receivers (AM/FM/SW/MW) (all types including professional)	

SECTION B: Applicable Saudi/Equivalent/International Standards

Saudi Standard	Equivalent /Other Applicable Standard	Title
SASO 380/1997	--	Sound broadcast radio receiver: Part 1: Limits of frequency bands
SASO 1278/1997	GS 965/1997	Ordinary television receivers
SASO 1279/1997	GS 966/1997	Methods of testing ordinary television receivers
SASO 1322/1997	--	Low power radio frequency devices
SASO 1323/1997	--	Sound broadcast radio receiver: Part 2: General requirements
SASO ...(to be implemented)	--	Limits of frequency bands for TV receivers.
--	IEC 60065	Audio, Video and Similar Electronic Apparatus - Safety Requirements
--	IEC 60950-1	Safety of information technology equipment Safety – Part 1: General Requirements
--	IEC Guide 112	Guide on the safety of multimedia equipment

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 3 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

SECTION C: KSA ICCP Registration Procedures and Essential Requirements

- The product to be registered shall be identified by its type designation. Products of the same electrical and/or mechanical construction, being equal in all safety related aspects, may be defined by one family type designation/model number. This designation must be identifiable on the product(s).
- It is desirable that the Registration declaration refers to relevant Saudi standard(s) wherever possible. The declaration may however refer to any relevant international, regional or national standard provided the Saudi Essential Requirements listed below are also satisfied.
- Standard references must be clearly identified by issue number, date and the like.
- Any test data provided to substantiate the Registration declaration must make clear reference product identification model(s), the laboratory name and appropriate standard(s).
- Any test data to be evaluated for compliance shall be examined towards the applicable standard or standards, including the relevant Saudi Essential Requirements

ESSENTIAL REQUIREMENTS	
MAINS VOLTAGE	127 or 220 V or 380V
MAINS FREQUENCY	60 Hz
INSTRUCTION MANUAL	Language of instruction manual according to IEC 60065 & IEC 60950-1(i.e. Manuals will be in the official language of the country where the product is intended to be sold -Arabic)
PLUGS	Plugs fitted to the supply cords shall have a configuration in accordance with SASO standard 2203/2003 or 2204/2003 (Refer to CD-479 for more information)
COUNTRY OF ORIGIN	All appliances shall be marked with Country of Origin (MoCI Royal Decree No. M/5, CD-444R3)
OTHERS	The limits of the frequency bands of the radio receiver shall be indicated on its nameplate or on any other place such that it is easily visible and shall be within the permissible range specified in SASO 380/1997.
	Products incorporating low frequency devices shall operate within the frequencies stipulated in SASO 1322/1997, Clause 4.1.

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 4 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

SECTION D: KSA ICCP Type Approval Licensing

- (1) Product Evaluation
Products must be evaluated for full compliance with the Saudi Standards listed in Section B, including the relevant Saudi Essential Requirements listed in Section C. If the national Saudi standard is outdated or deviates heavily from the international equivalents, the relevant international standard may be used in conjunction with the Saudi Essential Requirements listed in Section C.
- (2) Factory Inspection/Audit
All manufacturing sites must be inspected to confirm the existence of an on-going quality and product control system satisfying KSA ICCP requirements.
- (3) Annual Surveillance
Samples may be selected for minimum verification tests as a part of annual routine inspections. Periodic pre-supply inspection will be performed.

SECTION E: Pre-Supply Tests For ICCP Approved Laboratories

Upon receipt of samples for pre-supply testing, Laboratories are to proceed as follows:

- (1) Examine the products to be tested and identify the applicable standard or standards from Section B.
- (2) Consult the tables given below and select only the test tables relevant to the standards you have selected in (1)
- (3) Read and note the Saudi Essential Requirements given in Section C and incorporate these points in your testing procedures.
- (4) Perform **only** the tests identified in the relevant test tables. (Laboratories are **not** to test to the complete standard unless specifically advised to do so). Saudi Standard test methods have been referenced where they exist.
- (5) Read Section F and include those requirements, which are not included in the test tables of the testing procedures.

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 5 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines			
Product Category: II-02 Combined Function Audio and/or Video Equipment			
Date Issued: 20 November 2007		Issued By: RLC-2 & PM	Issue No.: 6

IEC 60065, IEC Guide 112, SASO 380/1997, SASO 1322/1997 Remark: Combined function Audio and/or Video systems			
No.	Test	Requirement Standard Ref. IEC 60065	Test Method Standard Ref.
1	Marking	5	--
2	Non-ionizing radiation (laser radiation), if applicable	6.2	--
3	Heating under normal operating conditions	7	--
4	Shock hazard under normal operating conditions	9	--
5	Insulation requirements	10	--
6	Mechanical strength	12	--
7	Terminal devices	15	--
Additional tests for Audio and/or Video systems with multimedia equipment- IEC Guide 112			
1	Interfaces to the telecommunication network	3.4	--
2	Marking	3.3	--
Additional tests for Audio and/or Video systems with radio equipment - SASO 380/1997			
1	Frequency range	4.1	--
2	Dial of the receiver	4.2	--
3	Double sideband transmission	4.3	--
Additional tests for Products incorporating low power radio frequency devices -SASO 1322/1997			
1	Operating frequency range	4.6	--
2	Field strength	4.7	--
Additional tests for Television Equipment- SASO 1278/1997			
1	Marking	7	--
2	Accessible parts	5.10.1	--
3	Insulation resistance	5.9.1	--
4	Dielectric strength	5.9.2	--
5	Temperature rise	5.4	--
6	Mechanical strength	5.8	--

IEC 60950-1, IEC Guide 112, SASO 1322/1997 Remark: Multimedia equipment			
No.	Test	Requirement Standard Ref. IEC 60950-1	Test Method Standard Ref.
1	Marking and Instructions	1.7	--
2	Protection from electric shock and energy hazards	2.1	--
3	Protective earthing and bonding	2.6	--
4	Mechanical strength	4.2	--
5	Temperature rise test	4.5.1	--
6	Earth leakage current	5.1.6	--
7	Electric strength	5.2	--
8	Interfaces to the telecommunication network	Guide 112, 3.4	--
Additional tests for Products incorporating low power radio frequency devices -SASO 1322/1997			
1	Operating frequency range	4.6	--
2	Field strength	4.7	--

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 6 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

Section F – Additional Inspection Requirements (AIR)

Note: This document should be used separately by Country Offices for pre-supply inspection purposes.

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 7 of 10
---	--	----------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

I Multi-Media Equipment, Combined Function Audio and/or Video Systems







1. Physical Requirements

Standard Reference	General Physical Requirement	Complies (Y/N)
IEC 60065, 9.2	Construction shall provide no risk of electric shock from accessible parts or parts made accessible following removal by hand of a cover.	
IEC 60065, 12.1	Apparatus shall have adequate mechanical strength to withstand such handling as expected in normal use	
IEC 60065, 14.8	The apparatus shall be so constructed that changing the setting from one voltage to another or from one nature of supply to another is unlikely to occur accidentally	
IEC 60065, 14.9.3	Moving parts liable to cause personal injury shall be so arranged or enclosed as to provide adequate protection against this danger during intended use. Protective enclosures and the like shall have adequate mechanical strength. They shall not be possible to remove by hand	
IEC 60065, 15.1.2	Connectors other than those for mains supply shall be designed with a shape to deter insertion into the mains supply socket-outlet.	
IEC 60065, 16.1	Non Detachable Flexible Cables and Cables for Class I apparatus shall have a green/yellow core connected to the earth terminal of the appliance and to the earth contact of the plug (when plug is provided)	
IEC 60065, 16.5	External flexible cords with live conductors shall be connected to the apparatus in such a way as to avoid strain abrasion or twisting	
IEC 60065, 16.5	The device for relieving strain and twist of the cord shall be made of insulating material or have a fixed covering of insulating material <i>other than</i> natural rubber.	
IEC 60065, 16.5	Makeshift methods of relieving cord strain and twist such as tying the cord in a knot or tying the cord with string are not permitted.	
IEC 60065, 16.5	It shall not be possible to push an external cord back into the apparatus through its aperture if this involves danger.	
IEC 60065, 16.6	Apertures for external flexible cords shall be so constructed that there is no risk of damage to cord during its introduction or subsequent movement.	
IEC 60065, 8.19.1	When the apparatus is designed to be fed from the mains, a disconnect device shall be provided to isolate the apparatus from the mains for servicing purposes. The following are examples of disconnect device: <ul style="list-style-type: none"> - The mains plug, - An appliance coupler - An all-pole mains switch - An all-pole circuit breaker 	
IEC 60065, 8.20	A mains switch shall not be fitted with the mains flexible cable or cord	
	Plugs fitted to the supply cords shall have a configuration in accordance with SASO standard 2203/2003 and 2204/2003 as detailed in CD-479	

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 8 of 10
---	--	---------------------	---------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

2. Marking Requirements


Standard Reference	General Marking Requirement	Complies (Y/N)
	Marking shall be in Arabic and/or English. The marking shall be clearly discernible, legible and indelible	
IEC 60065, 5.1	Manufacturer's name or trade mark	
IEC 60065, 5.1	The symbol for Class II, if applicable 	
IEC 60065, 5.1	Model name or number	
MoCI Royal Decree No. M/5	Country of origin	
IEC 60065, 5.1	Nature of supply: <ul style="list-style-type: none"> - a.c only with the symbol:  - d.c only with the symbol:  - a.c or d.c with the symbol:  	
IEC 60065, 5.1	Rated supply voltage or range of rated supply voltage (incorporating 127V and/or 220V and/or 380 V)	
IEC 60065, 5.1	If apparatus can be set to different rated supply voltages the voltage at which the apparatus is set must be clearly indicated and this indicator should change when the rated supply is altered.	
IEC 60065, 5.1	Rated mains frequency or range of frequencies in hertz, if safety is frequency dependent. (Incorporating 60Hz)	
IEC 60065, 5.1	If apparatus contains a socket outlet for powering other equipment, the voltage or current that may be drawn <i>if different to the supply voltage</i> .	
IEC 60065, 5.1	Rated current consumption or rated power consumption of apparatus, which can be supplied by supply apparatus for general use	
IEC 60065, 5.2	Terminal devices to be marked with symbols for – Protective Earth, if any  and Live under normal operating conditions  (excluding terminals for mains supply and mains socket outlets).	
IEC 60065, 8.19.2	Apparatus on which a mains switch is used as a disconnect device, the 'on' position shall be clearly indicated. Note: <i>The indication can be in the form of marking, illumination, audible indication or other suitable means</i>	
IEC 60065, 14.5.4	If Non-resettable protective devices such as fuse-links are incorporated in the apparatus, then, a marking shall be located close to the protective devices so that correct replacement is possible	
Applicable for radio receivers		
SASO 380, 4.2	The limits of the frequency bands of the receiver shall be indicated on its name plate or on any other place such that it is easily visible	

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 9 of 10
---	--	-----------------------------------	----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

SASO 380, 4.1	The bandwidths shall not extend in either direction beyond the wave bands shown below: LONG WAVE: 128.5 kHz to 303.5 kHz MEDIUM WAVE: 506.5 kHz to 1656.5 kHz SHORT WAVE: 2150 kHz to 26400 kHz VERY SHORT WAVE (FM): 87.2 MHz to 108.5 MHz	
------------------	---	--

3. Instructions Manual Requirements

Standard Reference	General Instruction Manual Requirement	Complies (Y/N)
IEC 60065, 5.4	Any required safety information is to be included with the instructions for use and shall be given in the official language(s) of the country in which the product will be sold. (i.e. Arabic)	
IEC 60065, 5.4.1	For apparatus having no protection against splashing water: – The instruction for use shall state that the apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.	
IEC 60065, 5.4.1	A warning that terminals marked  are hazardous live and that the external wiring connected to these terminals requires installation by an instructed person or the use of ready-made leads or cords.	
IEC 60065, 5.4.1	If an apparatus is provided with a replaceable lithium battery, the following applies: - If the battery is intended to be replaced by the user, there shall be a warning close to the battery or in both the instructions for use and the service instructions - If the battery is not intended to be replaced by the user, there shall be a warning close to the battery or in the service instructions The warning shall include the following text: CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type	
IEC 60065, 5.4.2	Regarding devices for disconnection from the mains, the instructions shall state the following: - Where the mains plug or an appliances coupler is used as the disconnect device, the disconnect device shall remain readily operable; - Where an all-pole mains switch is used as the disconnect device, the location on the apparatus and the function of the switch shall be described, and the switch shall remain readily operable; - For permanently connected apparatus provided without an all-pole mains switch or an all-pole circuit breaker, the installation shall be carried out in accordance with all applicable installation rules	

	KINGDOM OF SAUDI ARABIA International Conformity Certification Program (ICCP)	Ref No.: CVG.202	Page: 10 of 10
---	--	----------------------------	-----------------------

Compliance Verification Guidelines		
Product Category: II-02 Combined Function Audio and/or Video Equipment		
Date Issued: 20 November 2007	Issued By: RLC-2 & PM	Issue No.: 6

IEC 60065, 5.4.2	Where markings, signal lamps or similar means might give the impression that the apparatus is completely disconnected from the mains, the instructions shall state the correct situation. If symbols are used their meaning shall also be explained	
Guide 112, 3.3	The instructions for use and installation for equipment intended for use in multimedia systems should give the necessary information to ensure correct and safe installation and interconnection of the equipment.	