Concursos Internacionales
de Formación Profesional
SECRETARIA GENERAL

MARQUES DEL RISCAL, N.º 16
MADRID - 4 (España)
Teléfono 419 77 93

XXII INTERNATIONAL APPRENTICE COMPETITION

MINUTES OF THE MEETING OF THE TECHNICAL COMMITTEE HELD IN MADRID ON 13TH SEPTEMBER 1975.

Chairman

Mr. Hamer

Vice-chairman

Mr. Kang

Members

Mr. Nispel (Germany)
Mr. Dressel (Germany)
Mr. Bammer (Austria)
Mr. Vastiau (Belgium)
Mr. Maestu (Spain)
Mr. Lewis (USA)
Mr. Poitevin (France)
Mr. Kholdbarin (Iran)
Mr. Sweeney (Ireland)
Mr. Omata (Japan)
Mr. Ghedini (Italy)
Mr. Biedermann (Liechten.)
Mr. Clayton (U.K.)
Mr. Schneider (Luxemburg)
Mr. Gonthier (Switzerland)
Mr. Liu (China)

General Secretariat

Mr. Albert
Mr. Capdepón

A meeting of the Technical Committee, chaired by Mr. Hamer and attended by the members whose names appear on the left, was held in Madrid, in accordance with previous announcement, at 15.30 hours 13th September 1975.

The Chairman said that the main purpose of the meeting was to inform the Committee of the exercises selected, the marking schemes prepared and the time-limits fixed for exercises in the different trades, as well as to establish appropriate regulations in order that competitors should be working in equal conditions and be in possession of all necessary information.

The General Secretariat, having received the documents requested from the various Marking Juries, the Chairman called upon Mr. Albert to read them and supply any further relevant information.

The General Secretary complied with this request, referring to the different trades according to their numerical order. The Committee learnt that the selected exercises, marking schemes and time-limits were as follows:

Other business The Chairman urged that, on account of recommendations approved by the Technical Committeee in previous meetings, members of Marking Committees should henceforth abstain from judging the work of competitors of their own nationality. The recommendation was accepted

The Chairman also recommended that, in cases where point maxima were low(1,2,3, etx.) these should be raised to 1o. The result could later be reduced with the corresponding coefficient, in accordance with the points established in the marking scheme

The Chairman urged the members of the Marking Juries to revise the translations and to request the General Secretariat to make appropriate corrections in case of error.

There being no further business, the session was adjourned and these Minutes, which I hearby undersign as Secretary, were drafted.

MARKING CRITERIA

1.) Fitting

Selected Exercise IRELAND

Basic Measurement	3o	points
Secondary Measurement	15	"
Accuracy of Angle and Flatness	1o	"
Fit and Function	25	"
Cleanness	1o	"
Use of Material	5	"
Time	5	"
	1oo	Points

2.) Press Toolmaking

Selected Exercise IRELAND

Basic measurements finisch and		"
strip of blank	25	"
Functioning of tod	1o	"
Fundamental measurements	35	"
Finish of tod	1o	"
Angularity and flatness	1o	"
Material utilisation	5	"
Time utilisation	5	"
	1oo	Points

3.) INSTRUMENT MAKING

Selected Exercise Austria

Casting and measurements	3o	Points
Basic and secondary measurements	4o	"
Flatness and angles	13	"
General appearance	12	"
Time	5	"
	1oo	Points

Time 2o hours

4.) WATCHMAKING

Selected Exercise Spain/ Switzerland

Checking of chronograph	25	Points
Adjustment of watch movement (H)	2o	"
Preparation of winder shaft	2o	"
Checking of 1 electric watch	15	"
Preparation of flywheel	1o	"
Material	5	"
Time	5	"
	1ooPoints	

Normal time /Time allowed 2o hours

5.) MARKING SCHEME

Selected Exercise Italy/ Portugal

Development	25	Points
Tailstock	1o	"
Composition	2o	"
Parte 2	1o	"
" 1	6	"
" 3	6	"
" 4	6	"
" 5	6	"
" 6	6	"
" 7	7	"
Time	5	
	1oo	Points

Time 23 Hours

6.) TURNING

Selected Exercise Germany

Basic measurements	5o	Points
Secondary measurements	15	"
Assembly (mounting)	12	"
General finish	13	"
Use of material	5	"
Time	5	"
	1oo	Points

Time 22 Hours

7. MILLING

Selected Exercise Italy		
Basic measurements	4o	Points
Secondary measurements	1o	"
Function	2o	"
Accuracy of angles and surface flatness	1o	"
General finish	1o	"
Use of material	5	"
Time	5	"
	1oo	Points
Time	25	Hours

8.) CONSTRUCTIONAL STEEL WORK

Selected Exercise Germany		
Basic Measurements	2o	Points
Secondary Measurements	15	"
Welding and oxy cutting	25	"
Layout and fidelity to instructions	5	"
Accuracy of angles and symmetry	15	"
General finish	1o	"
Use of material	5	"
Time	5	"
	1oo	Points
Time	22	Hours

9.) GAS WELDING

Selected exercise Ireland

Tests: Radiographic (2 joints 2x5)	1o	Points)	
Bend Tests (Face 2x4 Root 2x6)	2o	")	55
Pressure (to destruction)	25	")	Max. marks for highest pressure
Pressure Vessel: Appearance	7	")	
Lack of undercut	5	")	2o
Penetration (Joint in base plates)	3	")	
Accuracy of Assembly	5	")	
ALUMINIUM Appearance and Penetration	1o	"	
MildSteel Bronze Weld:			
Appearance and Penetration	5	"	
USE OF MATERIAL:	5	"	
Time	5	"	
	1oo	Points	
Time 24 Hours			

1o.) ELECTRIC WELDING

Selected exercise / Spain/Switzerland

Visual examination		
Exercise: Vessel	16	Points
Test Pieces 2,3+ 2,5	5	"
TIG- Aluminium	7	"
TIG- Stainless Steel	7	"
Tests		
Radiographic/X- Ray 1o+1o	2o	"
Bend 1o+1o	2o	"
Hydraulic	2o	"
Time	5	"
	1oo	Points

Time 2o Hours

11.) WOOD PATTERN MAKING

Selected exercise/ Germany

Basic Measurements	23	Points	7 measurements	4pts
Secondary measurements	2o	"	2o " "	1 ptsea
Preparation Technique	11	"		
Function of pattern	15	"		
Function of lower- part (core Box)	3	"		
Surface finish	3	"		
Upright projection pattern	1o			
Time	5	"		
Time 26Hours	1oo	Points		

13.) PANEL BEATING

Selected exercise/ Spain

Lay out	1o	Points
Fidelity dimensions		
Accuracy of drawing	32	"
Joints	13	"
Beating and jointing	2o	"
Flanges	5	"
Window	5	"
General finish	5	"
Use of material	5	"
Time	5	"
Time 25 Hours	1oo	Points

14.) SHEET METAL WORK

Selected exercise /Spain

Lay- out	2o	Points
Measurement precision	15	Points
Joints	13	"
Appearance	32	"
Flanges	1o	"
Material consumption	5	"
Time	5	"
Time 24 Hours	1oo	Points

15.) PLUMBING

Selected Exercise/ Belgium Belgium France Ireland
Marking Scheme

Maximum working time 22 Hours

Test Nr 1 Sheet Zinc Work:

Measurements	3 Points	
Soldering	5 "	
General Finish	8	25
Good use of Material	4 "	

Test Nr 2 Copper&Plastic Pipe Work:

Cooper Tube work:

Pipe Bending	8 Points	
Jointing	7 "	
Measurements	7 "	3o
General Finish	5 "	
Good Use of Material	3 "	

Plastic P.V.C. Tube Work

Pipe Bending	7	
Jointing	5	
Measurements	6	25
General finish	5	
Good Use of Material	2	

Test Nr 3 Lead Pipe Work

Pipe Bending	3 "	
Solder Joint	5 "	
Measurements	2 "	15
General Finish	3 "	
Good Use of Material	2 "	
Time	5 "	
	1oo Points	

Time 22 Hours

16.) INDUSTRIAL ELECTRONICS

Selected Exercise Spaien		
Design of printed circuit	15 "	
Problems	15 "	
Mechanical assembly, printed circuit		
Fitting and functioning description	65 "	
Time	5 "	
Time 17 Hours	1oo Points	

17.) RADIO AND TV REPAIRING

Selected Exercise Spain		
Radio Repairs	18 "	2 hours
T.V. Repairs	32 "	4 hours
Assembly	1o "	1h 3o minutes

RADIO AND TV REPAIRING NR. 17 Cont

Circuit diagram	1o Points	1 h 3o minutes
Measurements and adjustment	15 "	2 h 35 "
Theory-Testpaper	5 "	45 "
Use of material	5 "	
Time	5 "	
	1oo Points	

Time 12 hours

13.) HOUSE WIRING

Selected Exercise Spain

Measurement	1oPoints
Fitting and Fixing Tubes and Cables	15 "
Functioning	4o "
Connections	15 "
Fixing Appratus	5 "
Protection	5 "
Use of Materials	5 "
Time	5 "
	1oo Points

Time 23 Hours

19.) INDUSTRIAL WIRING

Selected Exercise Liechtenstein

Functioning	45 Points
Fitting and fixing cables and wires	1o "
Connections	15 "
Fitting equipments	1o "
Protection	5 "
Use of material	5 "
Time	5
	1oo Points

Time 22 Hours

2o.) BRICKLAYING

Selected Exercise Ireland

Measurement precision	2o Points
Plumb and level	2o "
Alignment and angles	1o "
Levelling and elaboration of the joints	15 "
Work on the stones	1o "
Individual parts	1o "
Panel appearance	1o "
Time	5 "
	1oo Points

Time 24 Hours

21.) STONE CUTTING

Selected Exercise Austria

Principal Measurements	2o Points
Secondary "	21 Points

STONE CUTTING Cont.21

Agreement of Templets with drawing	9 Points
" " " stone	1o "
General Appearance and neatness	2o "
Clean Sharp edges	7 "
Finish to all Surfaces	3 "
Time	5 "
Time 24 Hours	1oo Points

22.) PAINTING

Selected Exercise
Established by the experts

General painting and plastering	3 Points
Roller stippled water-base paint	12 "
Colorflatness	6 "
Decorative motive	3 "
Lettering	14 "
Measurement presision	5 "
Clean edges	1o "
Color precision	3 "
Preparation and plastering(door)	1o "
Enamelling	1o "
Appearance and finish	4 "
Time	5 "
Time 24 Hours	1oo Points

23.) PLASTERWORK

Selected Exercise France, Ingland and Experts

Main measurements	15 Points
Secondary measurements	1o "
Smooth plastering	1o "
Angles	12 "
Placing of molding strips	1o "
Molding profiles	15 "
Trowelled fine mortar	6 "
Understanding of blueprints	6 "
General impression of work	6 "
Materials used	5 "
Time	5 "
Time 24 Hours	1oo Points

24.) CABINETMAKING

Selected Exercise Germany

Fundamental measurements	1o Points
Secondary measurements	5 "
Drawing and layout	5 "
Adjustment of moveable elementa	2o "
Disposal of iron fittings	1o "
Surfaces	15 "
Interior assemblies	1o "

Exterior assemblies	15 Points
Material assemblies	5 "
Time	5 "
Time c 26 Hours	1oo Points

25.) JOINERY

Selected Exercise Austria	
Basic Measurements	2o Points
Secondary Measurements	12 "
Interior Joints	13 "
Exterior Joints	27 "
Cleanliness of surfaces and edges	1o "
Drawing to full size scale	3" "
Utilisation of material	5 "
Time	5 "
Time 24 Hours	1oo Points

26.) Carpentry

Selected Exercise Ireland	
BBasic Measurements	2o Points
Secondary measurements	1o Points
Development	2o Points
Exterior assembly	15 Points
Interior assembly	15 Points
Angles, edges, inclinations	1o Points
Use of material	5 Points
Time	5 Points
Time 22 Hours	1oo Points

27.) JEWELLERY

Selected Exercise Ingland	
Measurements	1o Points
Interpretation from design	1o "
Soldering	15 "
Modelling work	2o "
Saw work for holes	2o "
Cleanness before polishing	15 "
Use of material	5 "
Time	5 "
Time 26 Hours	1oo Points

28) TAILORING

Selected Exercise	
Lining- fit and size	2o Points
Pockets	1o "
Lapels and collar	2o "
Sleeves	15 "
Pressing and finish	15 "
Hang of suit and measurements	1o "
Use of material	5 "

Time 5 Points
Time 26 Hours 1oo Points

29.) LADIES'HAIRDRESSING

Selected Exercise Portugal Switzerland
Hair cut 7 Points
Hair do 8 Points
Total 15 Points

2nd Afternoon 3 hours
Restyling to brides hari do 15 Points
Total 15 Points

3rd Day Morning 4 h
Dyeing 7 "
Massage 5 "
Water waving (technical) 8 "
Total 2o Points

3 rd. Day- Afternoon 3 h
Party hair do on the same model 15 Points
Time 23 Hours Total 15 Points

3o.) Mens HAIRDRESSING

Selected Exercise Spanien
1st Day Morning

1 Test application of dye		
Diagnosis of washing demonstration	6	6o
2nd. test Freestyle haircut	1o	6o
3rd. test Freestayle hairdo	6'22	3o
1st day Afternoon		
4th Test hair washing	1	1o
5th test child's haircut (according to design)	1o	45
6th Test hairdo for preceding haircut	5,16	3o'

Time 1o Hours

LADIES TAILORING 31.)

Selected Exercise Spain

Dinnerjacket lapel	15 Points
Sleeves	15 Points
Pockets	15 Points
General appearance	15 Points
Seam and lining	1o 2"
Stitching	1o "
Button holes	5 "
Zippers	5 "
Use of material	5 "
	5 "
Time	
Time 24 Hours	1oo Points

32.) UPHOLSTERY

Selected Exercise Nederland		
Placing Jebbing	5	Points
Positioning and Fixing Springs	2o	"
Placing of Hessian and Sewing Springs with Stitches	5	"
Application of trimming Strip	1o	"
Coarse Stitching	5	"
Shaping of Back Contour	15	"
Covering With Under Cloth	5	"
Covering " outer Back	5	"
Covering with Under Seat	5	"
Covering with Inner Back	5	"
Placing of Ornamental Accessories	5	"
General Appearance	5	"
Use of Materials	5	"
Time	5	"
Time 26 Hours	1oo	Points

The Chairmann asked those present whether they agreed with what had been suhmitted by the General Secretary or whether there was any objection to the work carried out by the Jury Committees. The assembly expressed its unanimous approval

Other business, The Chairman urged that, on account of recommendations approved by the Technical Committee in previous meetings, members of Marking Committees should henceforth abstain from judging the work of competitors of their own nationality, The recommendation was accepted.

The Chairman also recommended that, in cases where point maxima were low(1,2,3, etc.) These should be raised to 1o. The result could later be reduced with the corresponding coefficient, in accordance with the points established in the marking scheme. The Chairman urged the members of the Marking Juries to revise the translations and to request the General Secretariat to make appropriate corrections in case of error.

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