

TECHNICAL DESCRIPTION

HAIRDRESSING



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WorldSkills International, by a resolution of the Technical Committee and in accordance with the Constitution, the Standing Orders and the Competition Rules, has adopted the following minimum requirements for this skill for the WorldSkills Competition.

The Technical Description consists of the following:

1.	INTRODUCTION	2
2.	COMPETENCY AND SCOPE OF WORK	2
3.	THE TEST PROJECT	4
4.	SKILL MANAGEMENT AND COMMUNICATION.....	6
5.	ASSESSMENT	7
6.	SKILL-SPECIFIC SAFETY REQUIREMENTS	11
7.	MATERIALS & EQUIPMENT	11
8.	MARKETING THE SKILL TO VISITORS AND MEDIA.....	13

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1. **INTRODUCTION**

1.1 **Name and description of skill**

1.1.1 The name of the skill is

[Hairdressing](#)

1.1.2 Description of skill

[Hairdressing covers ladies' and men's hairdressing.](#)

[Hairdressing refers to treatment and care of hair. Hair treatment refers to all types of hair cutting techniques, the addition of hair, perm waving \(where possible\), hair colour, styling and beard design. Through professional advice and treatment the hairdresser strives to emphasize the customer's general appearance and personality.](#)

[The demands for a modern hairdresser are to guarantee great knowledge, skill and professional behaviour. Requirements are knowledge of fashion, creativity and imagination, together with great technical skill, including commercial and artistic applications.](#)

1.2 **Scope of application**

1.2.1 Every Expert and Competitor must know this Technical Description.

1.2.2 In the event of any conflict within the different languages of the Technical Descriptions, the English version takes precedence.

1.3 **Associated documents**

1.3.1 As this Technical Description contains only skill-specific information it must be used in association with the following:

- WSI - Competition Rules
- WSI - Online resources as indicated in this document
- Host Country - Health and Safety regulations

2. **COMPETENCY AND SCOPE OF WORK**

The Competition is a demonstration and assessment of the competencies associated with this skill. The Test Project consists of practical work only.

2.1 **Competency specification**

[All of the following skills will be tested within one or more of the modules listed below, either on mannequin heads/hair pieces or live models.](#)

[Hair cutting \(both men and ladies\)](#)

[The Competitor must have knowledge and skill to:](#)

- [Reproduce a haircut from a photo using a hairdressing cutting tool such as scissors, razors or clippers](#)
- [Interpret your own individual design following commercial and OMC inspirations](#)
- [Cut hair within a specified time frame. For example – Artistic/Commercial – technical or free](#)
- [Interpretation of haircuts and styles will be confirmed by the Experts prior to the Competition, bearing in mind the shape of head.](#)

Hair colouring (both men and ladies)

The Competitor must have knowledge and skill to:

- Mix, apply and remove hair colorations and bleach following Host Country's health & safety regulations
- Produce artistic or commercial colour on all lengths as required by the projects
- Perform a variety of creative colouring techniques
- Operate heat accelerators

Hair styling (both men and ladies)

The Competitor must have knowledge and skill to:

- Produce looks as required by the project
- Blow dry and style both long and short hair
- Use thermal equipment
- Add hairpieces where required
- Add ornamentation
- Use finishing and styling products

Perm (either men or ladies)

The Competitor must have knowledge and skill to:

- Use permanent wave products following the Host Country's health & safety regulations
- Reproduce the form from a photo
- Protect and preserve the hair structure
- Operate heat accelerators
- Knowledge of hair cosmetics used and their application.

Projects (both men and ladies)

The Competitor must have knowledge and skill to:

- Reproduce the front image of a photo onto a mannequin
- Interpret cut and curl
- Design a cut, colour or curl to integrate with the front view of the provided front photo image

2.2 Theoretical knowledge

2.2.1 Theoretical knowledge is required but not tested explicitly.

2.2.2 Knowledge of rules and regulations is not examined.

2.3 Practical work

The Test Project consists of practical work and may include analysis plans.

The Competitor has to carry out, independently, the following tasks:

- Planning and creativity
- Organisation and time management
- Hair analysis
- Efficient working methods, sanitation, Occupational Health & Safety (OH&S)
- Hair cutting (all aspects and techniques)
- Hair colouring (all aspects and techniques)
- Permanent wave
- Hair styling
- Beard design
- Addition of hair

For all mentioned tasks, the appropriate technical and professional skills must be applied.

3. **THE TEST PROJECT**

3.1 **Format / structure of the Test Project**

Series of standalone modules.

	Module	Time
A	Men's Classic Sculptured Cut and Style with Full Beard Design	2 hours
B	Men's Avant-Garde Cut, Colour and Style	2 hours 45 minutes
C	Men's Fashion Haircut with Colour	2 hours 30 minutes
D	Men's Fashion Permanent Wave Cut (from colour photo)	2 hours
E	Ladies Competition Creative Style with Colour Enhancement	3 hours 45 minutes
F	Ladies Competition Creative Hair by Night with Hairpieces and Ornamentation	1 hour 30 minutes
G	Ladies Fashion Long Hair with Colour	3 hours
H	Ladies Transformation Fashion Haircut (from black and white photo)	2 hours 30 minutes

3.2 **Test Project design requirements**

Test Project modules are to be based on the following list of designs:

- Long hair designs
- Perm designs
- Colour designs
- Evening style, hairpieces and ornamentation – international trends
- Commercial designs
- Progressive designs
- Fashion designs
- Competition styling
- Beard designs
- Designs from image

3.3 **Test Project development**

The Test Project MUST be submitted using the templates provided by WorldSkills International (<http://www.worldskills.org/competitionpreparation>). Use the Word template for text documents and DWG template for drawings.

3.3.1 Who develops the Test Project / modules The Test Project / modules are developed by:

All Experts.

Experts can bring a Test Project if they choose and these can be considered by the working group or the projects can be designed at the Competition. The final Test Project modules will be voted on at the Competition.

3.3.2 How and where is the Test Project / modules developed

The Test Project/modules are developed jointly following the conclusion of the current WorldSkills Competition at the Competition site. The Experts will decide together on the Test Project for the following Competition.

There has to be a majority agreement (minimum = 50 % + 1) from Experts on the accepted modules.

Experts must have a complete understanding and be briefed on the terminology and outcomes required of individual modules.

- 3.3.3 When is the Test Project developed
The Test Project is developed according to the following timeline:

Time	Activity
At the previous Competition	Test Project modules are developed and selected by vote of the Experts.
Immediately after the previous Competition	Selected Test Project modules are circulated on the website.
At the Competition	Experts bring photographs for the photographic modules. Competitors vote to select the final two photographs. The Jury President organises duplicates of the photos and puts them in a sealed envelope. The final choice is made randomly on the day the module is completed.

3.4 Test Project marking scheme

Each Test Project must be accompanied by a marking scheme proposal based on the assessment criteria defined in Section 5.

- 3.4.1 The marking scheme proposal is developed by the person(s) developing the Test Project. The detailed and final marking scheme is developed and agreed by all Experts at the Competition.
- 3.4.2 Marking schemes should be entered into the CIS prior to the Competition.

3.5 Test Project validation

All the Test Project modules are known and tested and therefore can be completed within the allotted time.

3.6 Test Project selection

The Test Project is selected as follows:

Voting by the Experts at the previous Competition.

All Experts are invited to bring photographs for the photographic modules for the current Competition. After initial discussion with all Experts, it is agreed which photos meet set requirements. The Competitors at the current Competition vote for the selection of the final two photographs.

The final 2 selected photographs are taken by the Jury President who reproduces copies of them (one per Competitor) and seals them in envelopes until the day of the Competition when he/she then randomly selects one of the sealed envelopes prior to the start of the Competition.

3.7 Test Project circulation

The Test Project is circulated via WorldSkills International website as follows:

Immediately after the previous Competition

3.8 Test Project coordination (preparation for Competition)

Coordination of the Test Project will be undertaken by:

[The Skill Management Team and the Experts.](#)

3.9 Test Project change at the Competition

The 30% change to the Test Project is equated to the two photograph modules. All Experts are invited to submit a photograph in hard copy and digital form at the Competition and from those submitted two final photos are selected. These are not known to the Competitors until the Jury President randomly selects one at the start of the module. Refer to paragraph 3.6. One module may have an element of change.

3.10 Material or manufacturer specifications

Competitors can bring their own equipment and products to complete the Test Project modules. Should there be an official sponsor that requires competitors to use their products exclusively, the sponsor must let the Experts know at least 18 months prior to the Competition and must provide samples as requested by each competing country/region.

4. SKILL MANAGEMENT AND COMMUNICATION

4.1 Discussion Forum

Prior to the Competition, all discussion, communication, collaboration and decision making regarding the skill must take place on the skill-specific Discussion Forum (<http://www.worldskills.org/forums>). All skill-related decisions and communication are only valid if they take place on the forum. The Chief Expert (or an Expert nominated by the Chief Expert) will be moderator for this forum. Refer to Competition Rules for the timeline of communication and competition development requirements.

4.2 Competitor information

All information for registered Competitors is available from the Competitor Centre (<http://www.worldskills.org/competitorcentre>).

This information includes:

- Competition Rules
- Technical Descriptions
- Test Projects
- Other Competition-related information

4.3 Test Projects

Circulated Test Projects will be available from [worldskills.org](http://www.worldskills.org) (<http://www.worldskills.org/testprojects>) and the Competitor Centre (<http://www.worldskills.org/competitorcentre>).

4.4 Day-to-day management

The day-to-day management is defined in the Skill Management Plan that is created by the Skill Management Team led by the Chief Expert. The Skill Management Team comprises the Jury President, Chief Expert and Deputy Chief Expert. The Skill Management Plan is progressively developed in the six months prior to the Competition and finalised at the Competition by agreement of the Experts. The Skill Management Plan can be viewed in the Expert Centre (<http://www.worldskills.org/expertcentre>).

5. ASSESSMENT

This section describes how the Experts will assess the Test Project / modules. It also specifies the assessment specifications and procedures and requirements for marking.

5.1 Assessment criteria

This section defines the assessment criteria and the number of marks (subjective and objective) awarded. The total number of marks for all assessment criteria must be 100.

Section	Criterion	Marks		
		Subjective (if applicable)	Objective	Total
A	Men's Classic Sculptured Cut and Style (photo to display the forum) with full Beard Design	13	2	15
B	Men's Avant-Garde Cut, Colour and Style	11	4	15
C	Men's Fashion Haircut with Colour	5	5	10
D	Men's Fashion Permanent Wave Cut and (from colour photo)	2	8	10
E	Ladies Competition Creative Style with Colour Enhancement	10	5	15
F	Ladies Competition Hair by Night with Hairpieces and Ornamentation	5	5	10
G	Ladies Fashion Long Hair with Colour	9	6	15
H	Ladies Transformation Fashion Haircut (from photo)	6	4	10
Total =		61	39	100

5.2 Subjective marking

Marks for objective marking

Yes Full mark

No No mark

Key to Subjective marking scores

Outstanding work	10
Excellent work	9
Very good work	8
Good/commendable work	7
Average work	6
Basic work (minimum standard accepted by industry)	5
Below basic work	4
Weak work	3
Very weak work	2
Unacceptable work	1

5.3 Skill assessment specification

A - Men's Classic Sculptured Cut and Style with Full Beard Design

Objective

- Infraction from TD or Competition Rules
- Tools and Products
 - Used only a hand held dryer
 - No use clipper for hair cut
 - Coloured sprays, coloured gels, coloured mousse, coloured markers, crayons etc cannot be used

Subjective

- Cut
- Form/silhouette
- Finish
- Beard design
- Overall impression

B - Men's Avant-Garde Cut, Colour and Style

Objective

- Infraction from TD or Competition Rules
- No colour on the skin of the manikin excluding scalp
- No colour missing around hairline or head
- Coloured sprays, coloured gels, coloured mousse, coloured markers, crayons etc cannot be used

Subjective

- Overall impression of colour
- Overall impressive of cut and style
- Overall impression

C - Men's Fashion Haircut with Colour

Objective

- Infraction from TD or Competition Rules
- The cut must not be progressive or avant-garde
- No colour on the skin of the manikin excluding scalp
- No colour missing around hairline or head
- Coloured sprays, coloured gels, coloured mousse, coloured markers, crayons etc cannot be used

Subjective

- Overall impressive of cut and style
- Overall impression of colour
- Overall impression

D - Men's Fashion Permanent Wave Cut (from colour photo)

Objective

- Infraction from TD or Competition Rules
- No distortion ends
- No rubber band marks or distortion of the roots
- Maximum 25 rods used
- Only fingers and hand-held dryer and diffuser (optional) to dry the design
- Texture and finish is reproduced as in photo - front view only
- Cut is reproduced as in photo - front view only
- No use of aerosols

Subjective

- Overall impression integration

E - Ladies Competition Creative Style with Colour Enhancement

Objective

- Infraction from TD or Competition Rules
- Hairpieces are not cut lengthwise or coloured or preset prior to start of module E
- No colour on the skin of the mannequin
- No colour missing around hairline or head
- Coloured sprays, coloured gels, coloured mousse, coloured markers, crayons etc cannot be used

Subjective

- Cut
- Colour
- Overall finished look

F - Ladies Competition Creative Hair by Night with Hairpieces and Ornamentation

Objective

- Infraction from TD or Competition Rules
- Use the minimum of 2 or 3 hairpieces
- Only cleaning of hair ends (no changes of the haircut of module E)
- No ornamentation made from hair or look like fibres
- Coloured sprays, coloured gels, coloured mousse, coloured markers, crayons etc cannot be used

Subjective

- Integration of hairpiece and ornamentation
- Overall impression

G - Ladies Fashion Long Hair with Colour

Objective

- Infraction from TD or Competition Rules
- No hairpieces
- No colour missing around hairline or head
- No cutting or texturising
- No colour on the skin of the mannequin
- Coloured sprays, coloured gels, coloured mousse, coloured markers, crayons etc cannot be used

Subjective

- Creativity of colour
- Creativity of design
- Overall impression

H - Ladies Transformation Fashion Haircut (from black and white photo)

Objective

- Infraction from TD or Competition Rules
- Coloured sprays and coloured mousses cannot be used
- Finish is reproduced as in photo- front view only
- Cut is reproduced as in photo - front view only

Subjective

- Overall impression
- Overall impression of cut
- Overall impression of colour

5.4 Skill assessment procedures

- The Experts will decide together on the Test Projects, the marking and assessment criteria and/or the material list and the definition of the module expectations and hairstyle criteria will be confirmed by the Experts prior to the Competition.

- Experts must have a complete understanding and be briefed on the terminology and outcomes required of individual modules.
- Prior to each module Competitors mirror numbers are drawn by ballot.
- Experts in the jury and the Stewards must minimize conversation on the floor whilst the Competition is underway – this distracts Competitors.

Marking

- Blind marking will take place.
- Experts due to judge will sit in a separate room and not in the competition area during the Competition.
- While the Experts are in the jury room, all tools and flags must be removed from the workplace of the Competitors so that there is no indication of Members remains. Once this is complete, the blind judging group can come out to the floor to judge.
- When an Expert judges a compatriot Competitor, those scores will be counted.
- Jury is to leave the Competition area and go to a separate room (jury room)

This procedure will be followed for each test.

- Example: When the first test is finished, the Experts will come in and mark the mannequin.
- Experts will be divided into groups and rotate between Stewards, Objective Jurors, and Subjective Jurors.
- The Experts that are not judging will be Stewards / Subjective or Objective Jurors to oversee and make sure that Competitors are following the rules.
- Stewards will consist of a team. Stewards should remain on the competition floor at all times.
- Experts who are not juror or steward should stay away from the competition floor.
- When marking is finished, the Expert and Competitor may come in to take photos.
- When all Experts has finished marking, the Experts must go to the Chief Expert with the marking sheets.
- Administrator is to work on the TD and Test Projects and not to go on the Competition floor unless requested by the CE or DCE to replace a wise man or objective juror or to assist.
- Free Experts must leave the Competition floor or stay in the Administration room unless requested by CE or DCE.

Objective marking scale

Each project will have individual criteria that will be given to the Competitor and Expert prior to the Competition. These same sheets will be used by the Objective Jury during the Competition to record any infractions.

Infractions

Infractions may be incurred for the following:

- Sideline coaching - Competitors talking to people in the audience can be taken as coaching. In the event of any type of coaching this will incur an infraction or even disqualification. This must be witnessed by a minimum of 2 Experts.
- Touching the mannequin head after the Competitors have been told to put tools down and module is finished
- Using materials, equipment, implements, tools or accessories that are not part of the individual module criteria.
- Competitors must produce different hairstyles for each module; each module should be individual in looks – when tests are similar in content for example. Cut and colour on Men's. They should be judged on the same day to compare the similarity / differences.
- Sideline coaching, from any expert, translator or outside the perimeters (crowd).
- Using the materials, products, equipment, tools, implements, accessories that they are not part of the individual module.
- Not demonstrating the Host Country's Health and Safety regulations. These must be posted on the forum 6 months before competition.
- The finished work displayed must reflect commercial industry standard.
- No Competitor is to have their products covered.

- Competitor cannot apply make-up or dress their mannequin before the Competition has been judged.

Two infractions may lead to disqualification.

Should infractions take place one objective mark will be deducted as per objective marking criteria. Each project has an objective jury and any infraction has to be witnessed by and agreed by at least two of that jury.

Finish and impression

- The haircut finished result is as per rational stated in each module.
- The overall impression refers to the design elements used to create the designs finished result including the beard design where applicable taking into account the line, form, balance, texture, continuity and colour.
- The overall impression of the cut and style refers specifically to the cut and style taking into account line, form, balance and texture.
- The overall impression of the colour refers to the colour result specifically not including the hair cut and style taking into account colour design, creativity and professionalism of application reflected by the evidence of staining around the mannequin hairline, scalp and neck area.
- The overall impression of integration refers to continuity of the design and texture reflected by the form, balance and texture in the design.

6. SKILL-SPECIFIC SAFETY REQUIREMENTS

Refer to Host Country Health & Safety documentation for Host Country regulations.

The following skill-specific safety requirements must be met:

- Check all electrical equipment before each module.
- Pull out electric plugs with dry hands (pull the plug not the cord).
- Wear protective gloves during chemical processes that directly expose your skin.
- First aid is available for injuries - raise your hand or see a floor Expert immediately.
- All injuries must be reported to WorldSkills on the forms provided in the Skill Binder.
- Use trolleys to hold tools and equipment for the Competition.
- Wipe up all water spills.
- Dispose of garbage appropriately.
- Place used towels in appropriate area.
- Tidy work areas neat and professional and clean mirrors before leaving skill area.
- Work area must be clear of all toolboxes and bags. Store toolboxes in the area provided.
- Competitors must use the benches and work areas provided, not the floor, to prepare their work.

7. MATERIALS & EQUIPMENT

7.1 Infrastructure List

The Infrastructure List details all equipment, materials and facilities provided by the Host Country.

The Infrastructure List is online (<http://www.worldskills.org/infrastructure/>).

The Infrastructure List specifies the items & quantities requested by the Experts for the next Competition. The Competition Organiser will progressively update the Infrastructure List specifying the actual quantity, type, brand/model of the items. Items supplied by the Competition Organiser are shown in a separate column.

At each Competition, the Experts must review and update the Infrastructure List in preparation for the next Competition. Experts must advise the Technical Director of any increases in space and/or equipment.

At each Competition, the Technical Observer must audit the Infrastructure List that was used at that Competition.

The Infrastructure List does not include items that Competitors and/or Experts are required to bring and items that Competitors are not allowed to bring – they are specified below.

7.2 Materials, equipment and tools supplied by Competitors in their toolbox

- Ensure all electrical equipment is tested and tagged. If your equipment is not compatible with the Host Country you must bring your own transformer.
- Competitors may bring their own products.
- Competitors may use their own products during the Competition. The category sponsor will be known 6 months prior to the Competition but it is not a requirement to use the products supplied.

7.3 Materials, equipment and tools supplied by Experts

Not applicable

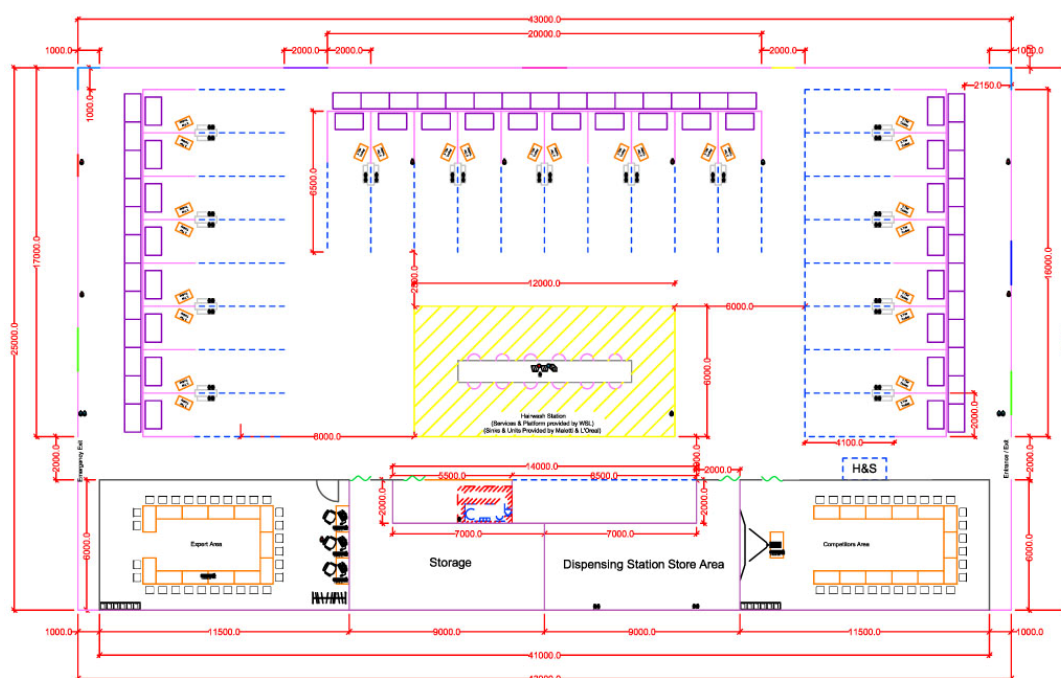
7.4 Materials & equipment prohibited in the skill area

No Competitor or Expert is to have a mobile phone. The Skill Management Team will have official phones which may be passed to a designated Expert should he/she have to leave the skill area.

7.5 Proposed workshop and workstation layouts

Workshop layouts from London are available at:
http://www.worldskills.org/index.php?option=com_halls&Itemid=540

Workshop layout:



8. MARKETING THE SKILL TO VISITORS AND MEDIA

8.1 Maximising visitor and media engagement

Following is list of possible ways to maximise visitor and media engagement.

- Try a trade
- Display screens
- Test Project descriptions
- Enhanced understanding of Competitor activity
- Competitor profiles
- Career opportunities
- Daily reporting of competition status

8.2 Sustainability

- Recycling
- Use of 'green' materials
- Use of completed Test Projects after Competition
- If hairdressing is restricted to a certain amount of workstations in Leipzig the following option would apply. We would implement a shift system and remove the following modules in order of preference – 1. Mens' classic and change the mens' fashion hair cut to incorporate a tapered hair line. 2. Mens' perm
- Hairdressing would also opt for a simpler set up which would reduce costs. Hairdressing would prefer a more functional set up rather than beautification if it meant we could have more work stations and more countries/regions the opportunity to compete.
- The illumination of gifts to other Experts
- Reduce Competition time.