European Committee on Antimicrobial Susceptibility Testing (EUCAST)

Minutes of the General Committee Meeting on 27 April 2015 at 25th European Congress of Clinical Microbiology and Infectious Diseases, Copenhagen, Denmark

A list of attendees who signed the register is appended.

1. Apologies for absence
None.

2. Minutes of meeting in Barcelona, 12 May 2014
With minor corrections, the unratified minutes were approved as a true record.

3. Matters arising
None.

4. EUCAST Steering Committee membership
4.1 The current membership of the Steering Committee is appended. Francois Jehl/Gerard Lina will replace Luc Dubreuil as representative for France.

4.2 Up to two additional “visiting” General Committee members may attend each Steering Committee meeting by prior agreement. There have been seven such attendances at Steering Committee meetings in the past year from members in Australia, Austria and the USA.

4.3 Rafael Canton reminded the committee that there are five annual ESCMID observerships, each with a maximum value of 1000 Euros, to support attendance of European visiting members to EUCAST Steering Committee meetings. In addition, ESCMID has agreed to fund an additional five observerships of up to 1000 Euros to support attendance by non-European visiting members. Applications should be made by email to the Chairman or Scientific Secretary of EUCAST.

5. EUCAST General Committee membership
5.1 The up-to-date membership list is on the EUCAST website (the current list is appended). Representatives should inform the Scientific Secretary (email derek.brown222@btinternet.com) if the representative for their country has changed.

5.2 There have been continuing difficulties with maintaining the pharmaceutical and susceptibility device manufacturing industries email networks as company representatives commonly do not inform EUCAST when representatives move and there has been no improvement following previous requests to inform EUCAST of changes. Consequently these lists will no longer be maintained and companies should regularly consult the EUCAST website for news and consultations.

6. EUCAST and ECDC
The current EUCAST contract with ECDC ran out in October 2014 and EUCAST is currently supported by ESCMID pending a new tendering process in 2015.

7. EUCAST Chairperson’s report
Rafael Cantón summarised activities over the past year.
7.1 **Structure and organisation**
The structure and organisation of EUCAST were reviewed. In the last year there have been five meetings of the Steering Committee. The General Committee meets once a year, at ECCMID.

7.2 **EUCAST National Antimicrobial Susceptibility Testing Committees (NACs)**
7.2.1 National Antimicrobial Susceptibility Testing Committees (NACs) linked to EUCAST continue to be proposed and there are now few European countries without a NAC. Countries outside Europe continue to show interest in joining EUCAST and in the past year New Zealand, South Africa, Brazil and Morocco have joined.

7.2.2 Dr Robert Rennie reported on progress in Canada, which is close to forming a NAC. It is expected that the new NAC (CanCAST) will be officially established in 2015.

7.2.3 Rafael Cantón noted that members of the EUCAST Steering Committee are willing to travel and give presentations to national meetings in countries interested in forming EUCAST-associated NACs. It is expected that NACs affiliated to EUCAST will promote EUCAST breakpoints and guidelines.

7.3 **New breakpoint tables**
7.3.1 Version 5.0 (January, 2015) of breakpoint tables is on the EUCAST website.

7.3.2 There are new or revised breakpoints for several organisms.
- **Enterobacteriaceae** Amikacin (zone diameters)
- **Staphylococcus** spp. Telavancin (new)
- **Moraxella catarrhalis** Ceftaroline (change from dash to IE)
- **Neisseria meningitidis** Ciprofloxacin (remove intermediate category)
- **Neisseria gonorrhoeae** Cefpodoxime, ceftibuten (change from IE to dash)
- **Clostridium difficile** Fidaxomicin (new)

7.3.3 Breakpoints for new agents.
- Dalbavancin **Staphylococcus** spp., Group , B, C, G streptococci, **S. anginosus** group
- Oritavancin **Staphylococcus** spp., Group , B, C, G streptococci, **S. anginosus** group
- Tedizolid **Staphylococcus** spp., Group , B, C, G streptococci, **S. anginosus** group

7.3.4 Some breakpoint notes have been reworded and some new notes added.
- Telavancin, tigecycline, daptomycin, fosfomycin Information on testing conditions
- Aztreonam Enterobacteriaceae, **Pseudomonas** spp.
- Trimethoprim-sulfamethoxazole **Stenotrophomonas maltophilia**, **Enterococcus** spp.
- Cephalosporins **Staphylococcus** spp.
- Clindamycin Streptococcus groups A, B, C and D **Streptococcus pneumoniae** Viridans group streptococci

7.3.5 There has been some rewording of supplementary tables.
- **S. pneumoniae** Oxacillin screen
- **H. influenzae** Benzylpenicillin 1-unit, β-lactam resistance

7.3.6 Quality control data has been added.
- **Haemophilus influenzae**
- **Moraxella catarrhalis**
- **Pasteurella multocida**

7.3.7 A section on mycobacterial breakpoints has been added, including breakpoints for the new agents, delamanid and bedaquiline.

7.3.8 Some breakpoints were reviewed and no changes made.
- linezolid and staphylococci and enterococci
- teicoplanin and coagulase negative staphylococci
- fluoroquinolones and **Corynebacterium** spp.
- metronidazole and anaerobes
- daptomycin and enterococci

7.3.9 A guidance note on topical agents has been added.

7.4 EUCAST presentations

7.4.1 At ECCMID this year there has been the annual EUCAST workshop on antimicrobial susceptibility testing, a EUCAST “meet the experts” session on common questions and answers relating to EUCAST breakpoints and methods and many EUCAST-related papers and posters. There were EUCAST-sponsored symposia on “Resurrecting old antimicrobial agents” and “Benefits and challenges of site-specific breakpoints”.

7.4.2 There have been multiple presentations by EUCAST representatives at national meetings in Europe and outside, including Australia, Cuba, Uruguay, Malaysia, Japan and Morocco

7.4.3 In Linz, Austria in September 2014 there was an ESCMID Postgraduate Educational Workshop, with lectures and laboratory sessions covering the EUCAST breakpoint setting process, antimicrobial susceptibility testing methods, differences between EUCAST and CLSI, EUCAST expert rules, antimicrobial surveillance systems, epidemiological cut-off values (ECOFFs), and implementation of EUCAST breakpoints and methodology. The next ESCMID Postgraduate Educational Workshop on EUCAST will be in September 2016, but this is yet to be confirmed.

7.5 Implementation of EUCAST breakpoints

An updated map based on a survey undertaken by EUCAST at the start of 2015 shows that EUCAST breakpoints continue to be implemented widely, but to various degrees, in most European countries and some outside Europe. In the UKNEQAS External Quality Assessment Scheme, over 85% of participating laboratories reported that they followed EUCAST breakpoint guidelines. In the EARS-Net External Quality Assessment Scheme, 80% of participating laboratories reported that they followed EUCAST breakpoint guidelines. The number of EUCAST-related publications listed in PubMed is also increasing rapidly.

7.6 EUCAST website

7.6.1 The EUCAST website continues to be frequently updated with new and revised documents and data. The number of visitors to the website exceeds 50,000 per month, with about 60% of visits from within the EU. The countries with most identified visitors to the website are USA (10.6%), Germany (10.1%), UK (6.1%), Netherlands (5.7%) and Switzerland (4.0%). The most frequently visited pages are the clinical breakpoint pages (69.2% of visits).

7.6.2 It was noted that some EUCAST documents are available in several languages. Translations are done by the respective NACs, which are responsible for updating the documents when updates to the English versions are released and EUCAST is not responsible for the accuracy of translations. There are links from the EUCAST webpage to these translations.

7.6.3 Several of the major documents, including breakpoints, QC files and method descriptions, are updated annually. The website file of frequent questions and answers related to EUCAST was updated in March 2015.

7.6.4 There is a “news” link on the home page giving details of significant changes. All changes are listed via a “Website changes” link below the index on the home page. All EUCAST documents can be freely downloaded from the website.

7.7 EUCAST documents and publications

7.7.1 Two new Standard Operating Procedures (SOPs) have been released on the EUCAST website:
- SOP 8.0. Format and updating of EUCAST documents
- SOP 9.0. Procedure for establishing zone diameter breakpoints and QC criteria for new antimicrobial agents

7.7.2 About 50 rationale documents are now available on the website.

7.7.3 EUCAST publications in scientific journals were as follows:
7.8 What is coming in 2015-1016?

- New breakpoints (with EMA) \( \beta \)-lactam-\( \beta \)-lactamase inhibitor combinations, cephalosporins, aminoglycosides, oxazolidinones, pleuromutilin
- Colistin breakpoints and methodology review (with CLSI)
- Breakpoint review with NACs temocillin, nitroxolin, spiramycin, tigecycline, sulbactam
- Review of breakpoints for fluoroquinolone and carbapenem groups
- Neisseria gonorrhoeae breakpoints and methods for various antimicrobials
- Disk diffusion breakpoints for
  - Kingella kingae
  - Actinomyces spp.
  - Aerococcus spp.
  - Eikenella corrodens
- Guidelines for companies submitting anti-mycobacterial agents
- Zone diameter breakpoints for fosfomycin disk
- Rationale documents for new agents and agents with revised breakpoints
- New and updated documents, including SOPs, guidance documents and expert rules (v3)
- Revised definitions of the intermediate category and ECOFF

8. EUCAST subcommittee reports
8.1 Antifungal Susceptibility Testing Subcommittee (AFST)
Maiken Cavling Arendrup, the subcommittee chairperson, presented a summary of activity of the subcommittee over the past year. Membership of the subcommittee is appended.

8.1.1 There were three meetings of the AFST Steering Committee and one of the AFST General Committee in the past year.

8.1.2 The reorganisation of the structure of the AFST described last year is now completed.

8.1.3 The work of the AFST Network Laboratories was acknowledged, particularly Jesús Guinea (Spain), Eric Dannaoui (France), Caroline Moore (UK), Manuel Cuenca-Estrella (Spain), Oliver Kurzai (Germany), Wendy van de Sande (Netherlands), Joseph Meletiadis (Greece) and Aristea Velegraki (Greece).

EUCAST Development Laboratory for fungi is led by Maiken Cavling Arendrup at the Statens Serum Institute, Unit for Mycology, building 211, 1st floor, Artillerivej 5 DK-2300 Copenhagen S, Denmark. See http://www.eucast.org/organization/network_laboratories for further details.

8.1.4 New Breakpoints for Aspergillus and isavuconazole are awaiting launch.

8.1.5 A technical note on Candida and anidulafungin, fluconazole and micafungin has been published. Arendrup MC, Cuenca-Estrella M, Lass-Flörl C, Hope WW; European Committee on Antimicrobial Susceptibility Testing - Subcommittee on Antifungal Susceptibility Testing (EUCAST-AFST).

8.1.4 The EUCAST definitive document “Method for the determination of broth dilution minimum inhibitory concentrations of antifungal agents for conidia forming moulds” includes several updates:
• Acknowledges the increasingly important role of susceptibility testing of moulds and the establishment of clinical breakpoints
• Inoculum preparation specifically for Aspergillus includes the spectrophotometric option
• There are practical tips regarding endpoint reading
• Minor issues are clarified, including the solvent for echinocandins (harmonization with the 7.2 document)


8.1.7 There were numerous presentations by EUCAST AFST subcommittee members in the past year including

8.1.8 All AFST documents are in the revised AFST section on the EUCAST website.

8.1.9 Reference methods and breakpoints were summarised. All are available on the EUCAST website.

8.1.10 Areas for future development include the following:
The following Rationale documents are undergoing revision
Amphotericin B vs. Candida v 1.0 2010
Posaconazole vs. Candida v 1.0 2010
Voriconazole vs. Candida v 2.0 2010
(ECOFFs for additional Candida species, Cryptococcus gattii and C. neoformans and azoles and amphotericin B included)

Agar screening method
Multicentre evaluation of azole agar screening as a future EUCAST reference method for detection of A. fumigatus isolates with potential resistance against azoles

In vitro PK-PD model
Help investigate posaconazole and voriconazole activity against C. glabrata – could C. glabrata be an appropriate target? (Supported by an ESCMID grant)

In vitro MIC testing of echinocandins against Aspergillus spp.
Development of a colorimetric method using the tetrazolium salt XTT for in vitro antifungal susceptibility testing of Aspergillus spp. against caspofungin, micafungin and anidulafungin

8.2 Veterinary antimicrobial susceptibility testing subcommittee (VetCAST)
Dik Mevius, the subcommittee chairperson, presented the background to the formation of this new subcommittee. The remit of the subcommittee is as follows:
• To establish a science-based independent committee that will cooperate with European professionals in veterinary medicine, the European Agencies (EMA, EFSA, DG SANCO, ECDC)
• To determine antimicrobial breakpoints specific to the veterinary field
• To harmonize veterinary antimicrobial susceptibility testing in the European Union (EU)
• To initiate and coordinate EU research aimed at filling the current gaps in veterinary antimicrobial susceptibility testing:
  – Missing or insufficient veterinary specific breakpoints (bacterial species-, animal host- and infection-specific breakpoints)
  – Optimized methods for antimicrobial susceptibility testing of bacterial pathogens of animal origin and zoonotic bacteria that can affect humans
• To ensure that antimicrobial susceptibility testing protocols and interpretive criteria are freely accessible online through the EUCAST website
The first meetings, a closed preparatory meeting and an open meeting will be on 27 April 2015 and a Steering Committee will be elected.

In response to comments Dik Mevius noted:
- Because of the variety of animals the setting of breakpoints is more complex than in humans.
- The VetCAST subcommittee will operate independently but will aim to collaborate with CLSI groups.

8.3 Subcommittee on the role of whole genome sequencing (WGS) in AST of bacteria
Rafael Canton reported that Neil Woodford will be chairperson of this new subcommittee. The following draft remit is yet to be finalised.

- perform a literature review of the role of WGS in antimicrobial susceptibility testing (AST) of bacteria (excluding mycobacteria)
- determine the sensitivity and specificity of WGS compared with standard phenotypic AST
- determine how WGS for AST may be applied in clinical microbiology laboratories and the likely implications for phenotypic and other genotypic methods in use
- consider the epidemiological implications of using WGS
- consider the clinical implications of WGS for the selection of antimicrobial therapy
- determine the principles of how the result of WGS for AST could be presented to clinical users
- describe the drivers and barriers to routine use of WGS
- report within 12 months

9 Workshop on recommendations for pharmaceutical companies regarding data required for new antituberculous drugs, 11-12 November 2014, Basel, Switzerland
Emmanuelle Cambau reported on this meeting between members of the EUCAST Steering Committee and the ESCMID study group on mycobacterial infections (ESGMYC). The meeting was chaired by Emmanuelle Cambau. Participants were:

- Gunnar Kahlmeter Växjö, Sweden EUCAST
- Rafael Cantón Madrid, Spain EUCAST
- Derek Brown Peterborough, UK EUCAST
- Christian Giske Stockholm, Sweden EUCAST
- Johan Mouton Rotterdam, The Netherlands EUCAST
- Sören Gatermann Bochum, Germany EUCAST
- Ron Jones North Liberty, USA EUCAST
- Emmanuelle Cambau Paris, France ESGMYC
- Nicolas Veziris Paris, France ESGMYC
- Vincent Jarlier Paris, France ESGMYC
- Miguel Santin Barcelona, Spain ESGMYC
- Miguel Viveiros Lisbon, Portugal ESGMYC
- Radu Botgros London, UK EMA

Presentations were as follows:

The current situation
EUCAST approach for new agents Rafael Cantón
The current regulatory approach. Differences between antibacterial agents and antituberculous agents Radu Botgros
Lessons from the delamanid and bedaquiline EMA documents Emmanuelle Cambau

Current methods for Mycobacterium tuberculosis
MIC testing methods for Mycobacterium tuberculosis complex Miguel Viveiros
Wild type distributions for Mycobacterium tuberculosis complex with different testing methods Gunnar Kahlmeter and Thomas Shön
Current practice in setting breakpoints for Mycobacterium tuberculosis complex Nicolas Veziris
In a discussion session (moderators Vincent Jarlier and Miguel Santin) the priorities identified for the future were:

1. The need to choose a reference method
   - for the development of new agents
   - to use by pharmaceutical companies
2. To perform MIC studies
3. To give recommendations to EMA and EUCAST on new agents
4. Work is still needed to define
   - A reference medium /manufacturers
   - Expert laboratories
   - A panel of standard/ reference strains

A report on the meeting will be posted on the EUCAST website in the near future.

10. The EUCAST disk diffusion method
A summary was presented by Erika Matuschek, from the EUCAST Development Laboratory, Växjö, Sweden.

10.1 EUCAST Development Laboratories for bacteria (Växjö, Sweden) and fungi (Statens Serum Institut, Copenhagen, Denmark) are responsible for the development and maintenance of EUCAST antimicrobial susceptibility testing methods. They coordinate work by the EUCAST Network Laboratories in the development and validation of EUCAST methods, training, education and technical support for other laboratories.

EUCAST network laboratories are microbiology laboratories with particular expertise and training in EUCAST AST for bacteria and/or fungal isolates. They develop, validate and troubleshoot EUCAST methods and/or train and educate other laboratories. They also assist clinical breakpoint development by providing species-specific MIC datasets.

Current network laboratories for bacteria are:
- Acibadem Labmed Clinical Laboratories, Istanbul, Turkey
- Analyse BioLab, Linz, Austria
- Clinical Microbiology, Aarhus, Denmark
- Clinical Microbiology, Bergen, Norway
- Clinical Microbiology, Kalmar, Sweden
- Hospital Universitario Ramon y Cajal, Madrid, Spain
- Karolinska University Hospital, Solna, Sweden
- Medical Microbiology, Stavanger, Norway
- Norwegian National Advisory Unit on Detection of AR, Tromsø, Norway
- Southmead Hospital, Bristol, UK
- University of Verona, Italy

Current network laboratories for fungi are:
- Clinical Microbiology Laboratory, Athens, Greece
- Department of Medical Microbiology and Infectious Diseases, NL
- Gregorio Marañón Hospital, Madrid, Spain
- Hopital Européen Georges Pompidou, Paris, France
- Mycology Reference Centre, Manchester
- National and Kapodistrian University of Athens, Greece
- National Reference Centre for Invasive Mycoses, Jena, Germany
- Spanish Mycology Reference Laboratory

Dik Mevius noted that veterinary laboratories would be interested in joining the network. Application forms for any laboratory wishing to join the networks are on the EUCAST website under Organization/Network Laboratories.

10.2 Updates in methods, breakpoints and QC criteria for bacteria in the last year include:
- Information on testing conditions added for telavancin, tigecycline, daptomycin and fosfomycin
- Several zone diameter breakpoints evaluated and some updated
- Several new QC ranges (MIC and zone diameter)
• New QC strain for H. influenzae to improve test performance

10.3 Ongoing work on new agents for bacteria includes:
• Disk mass studies, QC criteria and MIC-zone diameter correlates to establish zone diameter breakpoints for ceftobiprole, new β-lactam- β-lactamase inhibitor combinations and number of other agents.
• MIC and zone diameter breakpoints for temocillin and nitroxoline
• Disk diffusion test and zone diameter breakpoints for fosfomycin
• Zone diameter breakpoints for early reading (6-8 h incubation) of disk diffusion AST
• Disk diffusion methods for anaerobes and N. gonorrhoeae

10.4 Studies on organisms lacking EUCAST breakpoints and methods are underway for Aerococcus spp. and Kingella kingae. Future work will include Nocardia spp., Streptomyces spp., Aeromonas spp., Vibrio spp., Leuconostoc spp., Lactobacillus spp. and Pediococcus spp.

10.5 Evaluation of disks from nine manufacturers has shown considerable variation among manufacturers and if there is no improvement in a planned repeat study the data will be published.

In response to questions the following responses were noted:
• Tests on disks include multiple disks from the same vial as well as different vials.
• Similar work has not been done to evaluate gradient tests.
• Disks failing to meet EUCAST standards should be identified by routine QC.
• The target value in QC tests is the centre of the acceptable range. Some ranges are based on CLSI ranges but all have been checked by EUCAST and some have been set specifically by EUCAST.

10.6 The uptake of the EUCAST disk diffusion method continues to increase in Europe and beyond.

10.7 Daniel Sahm asked what the timelines were for releasing EUCAST data correlating MIC with disk diffusion zone diameters. Erika Matuschek replied that data are released as soon as they are approved by the Steering Committee. There will be a News Item on the home page of the EUCAST website when new data are released.

11. Any other business
11.1 None.

12. Next meeting of the EUCAST General Committee
Scheduled to be held during the 26th ECCMID, Istanbul, Turkey, 9-12 April 2016.
[Note decision in autumn 2015 to relocate ECCMID 2016 to Amsterdam, The Netherlands]
Jenny Åhman   Sweden
Jeff Alder   Bayer
Maiken Cavling Arendrup   Denmark
Dominique Boissinot   i2a
Fabio Brocco   Liofilchem
Els Broens   Netherlands
Derek Brown   UK
Samantha Cain   Thermofisher Scientific
Emmanuelle Cambau   France
Rafael Canton   Spain
Christian Curel   i2a
Thomas Fritsche   USA
Jeff Fuller   Canada
Sören Gaternann   Germany
Christian Giske   Sweden
Antii Hakanen   Finland
Hakan Hanberger   Sweden
Natali Icanchik   Russia
Vincent Jarlier   France
Manette Juvin   Bio-Rad
Gunnar Kahlmeter   Sweden
Onur Karatuna   Acibadem Turkey
Yoram Keness   Israel
Laura Koeth   Laboratory Specialists Inc
Roman Kozlov   Russia
Kara Kreedy   Cempra
Christoffer Lindemann   Norway
Hannah Ma   CMAI UMF
Alasdair MacGowan   UK
Maureen Mansfield   Thermofisher Scientific
Erika Matuschek   Sweden
Dik Mevius   Netherlands
Linda Miller   GSK
Johan Mouton   Netherlands
Hilde Moyoect   Loetis
Milan Niks   Slovakia
Cecile Oger-Duroy   Bio-Rad
Judit Paezti   NCE Hungary
Robert Rennie   Canada
Dace Rudzite   Latvia
Daniel Sahm   IHMA
Jorge Sampaio   Brazil
Robert Skov   Denmark
Martin Steinbakk   Norway
Iztok Štrumbelj   Slovenia
Marina Sukhorukova   Russia
Arjana Tambic   Croatia
Kazuhiro Tateda   Japan
Susan Thomson   Mast
Kai Truusalu   Estonia
John Turnidge   Australia
Jan Verhaegen   Belgium
Manisha Yadav   India
Katso Yanagihara   Japan
Reinhard Zbinden   Switzerland
EUCAST Steering Committee 27 April 2015

Chairperson  Dr Rafael Canton  Sweden
Scientific Secretary  Dr Derek Brown  UK
Clinical Data Coordinator  Prof Gunnar Kahlmeter  Spain
BSAC  Prof Alasdair MacGowan  UK
SWAB  Prof Johan W. Mouton  Netherlands
NWGA  Martin Steinbakk  Norway
CA-SFM  Prof Luc Dubreuil  France
SRGA  Dr Christian Giske  Sweden
General Committee  Prof Sören Gatermann  Germany
General Committee  Prof. Jan Verhaegen  Belgium
General Committee  Dr Iztok Strumbelj  Slovenia

EUCAST General Committee 27 April 2015

Chairperson  Dr Rafael Canton
Scientific Secretary  Dr Derek Brown
Clinical Data Coordinator  Prof Gunnar Kahlmeter

National representatives
Australia  Prof. John Turnidge
Austria  Dr Petra Apfalter
Belgium  Prof. Jan Verhaegen
Bosnia  Dr Selma Uzunovic-Kamberovic
Brazil  Prof Jorge Luiz Mello Sampaio
Bulgaria  Prof. Krassimir Metodiev
Croatia  Dr Arjana Tambic-Andrasevic
Czech Republic  Dr Helena Zemlickova
Denmark  Dr Robert Skov
Estonia  Dr Marina Ivanova
Finland  Dr Antti Hakkanen
France  Prof. Luc Dubreuil
Germany  Prof. Sören Gatermann
Greece  Prof. Alkiviadis Vatopoulos
Hungary  Dr Ákos Tóth
Iceland  Dr Karl Gustaf Kristinsson
Ireland  Dr Michael Mulhern
Israel  Dr Yoram Keness
Italy  Prof. Pietro Varaldo
Latvia  Dr Arta Balode
Lithuania  Dr Jolante Miculeviciene
Luxembourg  Dr Monique Perrin
Netherlands  Dr Greeta Kampinga
Norway  Dr Christofer Lindemann
Poland  Prof. Waleria Hryniewicz
Portugal  Prof. Jose Melo Cristino
Romania  Dr Irina Codita
Russia  Dr Marina Sukhorukova
Serbia  Dr Lazar Ranin
Slovak Republic  Prof. Milan Niks
Slovenia  Dr Iztok Strumbelj
South Africa  Dr Olga Perovic
Spain  Dr Luis Martinez-Martinez
Sweden  Prof Håkan Hanberger
Switzerland  Prof. Reinhard Zbinden
Turkey  Dr Deniz Gür
UK  Prof Alasdair MacGowan
USA  Prof Paul Ambrose
ISC  Dr Paul Tulkens
FESCI  Dr David Livermore
EUCAST subcommittees

Antifungal Susceptibility Testing Subcommittee

Steering Committee
- Maiken Cavling Arendrup, Denmark (Chairperson)
- Susan Howard, UK (Secretary)
- Joseph Meletiadis, Greece (Data Coordinator)
- Manuel Cuenca-Estrella, Spain (NAC representative)
- Cornelia Lass-Floerl, Austria (NAC representative)
- Johan Mouton, The Netherlands (EUCAST Steering Committee Representative)

Full Committee members
- Maiken Cavling Arendrup, Denmark (Chairperson)
- Susan Howard, UK (Secretary)
- Joseph Meletiadis, Greece (Data Coordinator)
- Manuel Cuenca-Estrella, Spain
- Cornelia Lass-Floerl, Austria
- Johan Mouton, The Netherlands (EUCAST Steering Committee Representative)
- S Arikan-Akdagli, Turkey
- F Barchiesi, Italy
- J Bille, Switzerland
- E Chryssanthou, Sweden
- P Gaustad, Norway
- A Groll, Germany
- P Haml, Czech Republic
- H Järv, Estonia
- P Koukila-Kähkölä, Finland
- K Lagrou, Belgium
- O Lortholary, France
- N Klimko, Russia
- T Rogers (Ireland)
- C Torp Andersen (Norway)
- A Velegraki (Greece)
- P Verweij (The Netherlands)
- M Pfaller (USA)

Subcommittee on Veterinary Antimicrobial Susceptibility Testing

Dik Mevius (Chairperson)
Subcommittee currently being established.

Subcommittee on the role of whole genome sequencing (WGS) in AST of bacteria

Neil Wooford (Chairperson)
Subcommittee currently being established.