Perspective Leaders Network
NFRC Documents

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History of NFRC

• How did NFRC start?

• Entities of NFRC
  – Participants, Laboratories, Inspection Agencies
  – Other: Glazing, Suppliers, LBNL

• Recognitions
  – EnergyStar®, NRCAN

• International Relationships
  – AFRC, BFRC,

• Future Ratings/Methods
  – RCBC, SDR
NFRC Documents

- **Operational Documents**
  - Structure and procedures for operations of committees, subcommittees, and task groups

- **Program Documents**
  - Licensing and accreditation requirements

- **Technical Documents**
  - Test methods and standards

- **NFRC Bulletins**
  - Distribute new language/procedures
Rating’s Programs

Residential & Site-Built Program (PCP)

- Participant: NFRC 700
- Third Party: Laboratory NFRC 701, Inspection Agency NFRC 702
- Standards: Simulation Test NFRC 100, NFRC 200, NFRC 500, Physical Test NFRC 102

Commercial Program (CMA)

- Participant: NFRC 705
- Third Party: Laboratory NFRC 701, Inspection Agency NFRC 702
- Standards: Simulation Test NFRC 100, NFRC 200
- Performance Calculations: Approved Calculation Entity NFRC 708
PCP Participant

- Documents important to a NFRC 700, PCP Participant

NFRC 700 – Product Certification Program (PCP)

NFRC 704 – Fee Schedule

NFRC 707 – Compliance and Monitoring Program (CAMP)

NFRC 713 – Independent Verification Program (IVP)

NFRC 714 – Challenge and Appeals Procedure
NFRC 700, PCP

• Product Certification Program
  – Residential and Site-Built Products
  – Sets the Permanent and Temporary Labeling Requirements.
  – List authorized thermal ratings of products.
  – Requirements of a certification cycle and how to recertify.

• Committee Chain:
  – Ratings Committee
    • NFRC 700 PCP Certification Subcommittee
      – NFRC 700 PCP Review Task Group

• Governing Policy Committee
  – Certification Policy Committee (CPC)

• Ballot on the NFRC 700 to be discussed at NFRC 700 PCP Certification Subcommittee.
  – Section 5, IVP Recertification Exception
CMA Participant

- Documents important to a NFRC 705/708, CMA-PCP Participant
  
  NFRC 705 – Component Modeling Approach Product Certification Program (CMA-PCP)
  
  NFRC 708 – Calculation Entity Approval Program (CEAP)
  
  NFRC 704 – Fee Schedule
  
  NFRC 707 – Compliance and Monitoring Program (CAMP)
  
  NFRC 714 – Challenge and Appeals Procedure
NFRC 705, CMA-PCP

• Component Modeling Approach – Product Certification Program
  – Commercial Products
  – Spacer/Frame/Glazing Component Submittal
  – Label Certificates

• Committee Chain:
  – Ratings Committee
    • NFRC 705 CMA-PCP Certification Subcommittee
      – NFRC 705 CMA-PCP Task Group

• Governing Policy Committee
  – Certification Policy Committee (CPC)
NFRC 708, CEAP

• Calculation Entity Approval Program
  – NFRC recognized person/company authorized to provide performance calculations and issue Label Certificates

• Governing Policy Committee
  – Accreditation Policy Committee (APC)
NFRC 701, LAP

• Laboratory Accreditation Program
  – NFRC accredited simulation and test laboratory preform calculations for submittal to an IA of product authorization for manufacturers.
  – Annual laboratory audit requirements.

• Governing Policy Committee
  – Accreditation Policy Committee (APC)
NFRC 702, CAP

• Certification and Inspection Agency Program
  – NFRC licensed inspection agencies perform reviews of simulation and test laboratory reports for issuance of product authorization to manufacturers.
  – Annual plant and on-site audit requirements.

• Governing Policy Committee
  – Certification Policy Committee (CPC)
Technical Documents

ANSI/NFRC 100  U-Factor
NFRC 100A  Attachment U-Factor
NFRC 101  Thermophysical
NFRC 102  Physical Test
ANSI/NFRC 200  SHGC
NFRC 200A  Attachment SHGC
NFRC 201  Solar-Calorimeter SHGC
NFRC 202  VT
NFRC 203  VT-TDD
NFRC 300  Solar Optical Properties
NFRC 301  Spectrometric
NFRC 303  Laminate
NFRC 304  Applied Film
NFRC 400  Air Leakage
NFRC 500  CR
NFRC 501  CR User Guide
NFRC 600  Glossary
NFRC 601  Measurement Policy
NFRC 901  Energy Guidelines
Questions?

Thank You!