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| ASHRAE Technical FAQ |
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| ID  | 54 |
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| Question  | Is there a thermal comfort standard for the maximum allowable amount of temperature variation between rooms in a residence? |
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| Answer  | There is no such standard published by ASHRAE. In [2023 ASHRAE Handbook - HVAC Applications](https://www.techstreet.com/ashrae/standards/2023-ashrae-handbook-hvac-applications-i-p?product_id=2225673), [Chapter A48](https://www.techstreet.com/ashrae/searches/38672759), Design and Application of Controls, on page 21 it is noted that "Areas or rooms having dissimilar load characteristics or different conditions should be controlled individually."[ASHRAE Standard 55-2020](https://www.techstreet.com/ashrae/standards/ashrae-55-2020?product_id=2207271), “Thermal Environmental Conditions for Human Occupancy”, plus [ASHRAE BOD approved addenda](http://www.ashrae.org/standards-research--technology/standards-addenda) relates reported human comfort to temperature and humidity levels, and establishes a range of temperatures and humidity that are considered comfortable by 80% or more of the test subjects.The handbook and the other publications may be purchased and/or individual chapters of the handbook may be purchased and downloaded on-line at our website, [[www.ashrae.org](file:///%5C%5CAshFile%5Ctechnology%24%5CTech%20Srvs%5CSteve%20Winter%202014%5CFAQs%5CSection%201%5Cwww.ashrae.org)](file:///%5C%5CAshFile%5Ctechnology%24%5CTech%20Srvs%5CSteve%20Winter%202014%5CFAQs%5CSection%201%5Cwww.ashrae.org) or by calling 1-800-527-4723 in the USA and Canada or 1-404-636-8400 worldwide. |
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| ASHRAE Pubs  | [2023 ASHRAE Handbook - HVAC Applications](https://www.techstreet.com/ashrae/standards/2023-ashrae-handbook-hvac-applications-i-p?product_id=2225673) – [Chapter A48](https://www.techstreet.com/ashrae/searches/38672759)[ASHRAE Standard 55-2020](https://www.techstreet.com/ashrae/standards/ashrae-55-2020?product_id=2207271), plus [ASHRAE BOD approved addenda](http://www.ashrae.org/standards-research--technology/standards-addenda). |
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| Topic References  | humidity, residence, temperature variation, thermal comfort |
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|  | Cognizant ASHRAE Committees | Refer to Organization |
| 1 | [TC 2.1](http://tc0201.ashraetcs.org/) |  |
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