

1.888.602.4663 | HUD.GOV/MHS

MHCC Proposed Changes

Received as of February 28, 2015

Table of Contents

Log # 87 - § 3280.112 Hallways	1
Log # 88 - § 3280.715 Circulating Air Systems	2
Log # 89 - § 3282.8 Applicability	3
Log # 90 - § 3285.2 Manufacturer installation instructions	6
Log # 91 - § 3280.603 General requirements	7
Log # 92 - § 3280.709 Installation of appliances	8
Log # 93 - § 3280.709 Installation of appliances & § 3285.503 Optional appliances	9
Log # 94 - § 3280.707 Heat producing appliances	11
Log # 95 - § 3280.102 Definitions & § 3280.103 Light and ventilation	12
Log # 96 - § 3280.2 Definitions	17
Log # 97 - § 3280.707 Heat producing appliances	18
Log # 98 - § 3280.307 Resistance to elements and use	19
Log # 99 - § 3282.8 Applicability	20
Log # 100 - § 3280.204 Kitchen cabinet protection	22
Log # 101 - § 3280.611 Vents and venting	23
Log # 102 - § 3280.105 Exit facilities; exterior doors	24
Log # 103 - § 3280.808 Wiring methods and materials	25
Log # 104 - § 3285.5 Definitions & § 3285.801 Exterior close-up	26
Log # 105 - § 3282.8 Applicability	28
Log # 106 - § 3282.362 Labels	29
Log # 107 - § 3280.2 Definitions	30
Log # 108 - § 3280.607 Plumbing fixtures	31
Log # 109 - § 3280.210, Subpart C	32
Log # 110 - § 24 CFR 3280.211, Subpart C	34
Log # 111 - § 3280.2 Definitions; 3280.105 Exit Facilities, 3280.205 Fire Blocking	35
Log # 112 - § 3280.4(b) Incorporation by reference	36
Log # 113 - § 3280.4(b)(1) Incorporation by reference	37
Log # 114 - § 3280.4(i)(20) Incorporation by reference	38
Log # 115 - § 3280.4(ff)(21) Incorporation by reference	39
Log # 116 - § 3280.4(aa)(2) Incorporation by reference	40
Log # 117 - § 3280.4(aa)(5) Incorporation by reference	41
Log # 118 - § 3280.4 Incorporation by reference and 3280.703 Minimum standards	42

Log # 119 - § 3280.508(b) Heat loss, heat gain and cooling load calculations	43
Log # 120 - § 3280.508(b) Heat loss, heat gain and cooling load calculations	44
Log # 121 - § 3280.508(d) Heat loss, heat gain and cooling load calculations	45
Log # 122 - § 3280.511(a)(1) Comfort cooling certificate and information	46
Log # 123 - § 3280.511(a)(2) Comfort cooling certificate and information	48
Log # 124 - § 3280.714(a)(1)(ii) Appliances, cooling	49
Log # 125 - § 3280.714(a)(1)(iii) Appliances, cooling	50
Log # 126 - § 3280.715(a)(3)(ii) Circulating air systems	51

Log # 87 - § 3280.112 Hallways Date:		Date: 11/18/2014
Submitter:	: Steve Anderson	
Requested Action:	Revised Text	
Proposed Change:	§ 3280.112 Hallways. Hallways shall have a minimum horizontal dimension of 2836 inches measured from the interior finished surface to the interior finished surface of the opposite wall. When appliances are installed in a laundry area, the measurement shall be from the front of the appliance to the opposite finished interior surface. When appliances are not installed and a laundry area is provided, the area shall have a minimum clear depth of 2735 inches in addition to the 2836 inches required for passage. In addition, a notice of the available clearance for washer/dryer units shall be posted in the laundry area. Minor protrusions into the minimum hallway width by doorknobs, trim, smoke alarms or light fixtures are permitted.	
Reason:	The justification has nothing to do with cost. It has everything to do with fire safety. Basic physics teach us that the narrowed the hallway, the greater the velocity. This means that there is a greater chance of the chimney effect occurring in homes with narrower hallways than with wider hallways. Most building codes recognize these factors by enlarging hallway widths. Most local building codes require hallway widths to be from 36" to 48". Florida state code puts them at either 42" or 48" – depending on whether it is handicapped accessible or not. Los Angeles County Building Code is 36". Salt Lake City has adopted the 2012 version of the IBC, which places the width at 36 inches.	
Substantiating Documents:	No	
Additional Cost:	Unknown	
Cost Benefit		ith regards to cost
Explanation:	This proposal does not pretend to be of any financial benefit – with regards to cost savings in the construction of the homes. Instead, the benefit comes from making the homes safer and the potential loss of life lessened. The question regarding cost savings comes from the problem of defining the worth of human life. To me, the cost is high – others have a different point of view.	
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Tabled.	
Log History:	12/2/2014 – Table until next MHCC meeting awaiting additional	supporting documents.

Log # 88 - § 3280.715	Circulating Air Systems	Date: 10/08/2014
Submitter:	Task Force: Manuel Santana (chair), Debra Blake, & Tim O'Leary	
Requested Action:	Revise as follows:	
Proposed Change:	§ 3280.715 Circulating air systems.	
	(a)(1) Supply air ducts, fittings, and any dampers contained therein must be made of	
	galvanized steel, tin-plated steel, or aluminum, or must be listed as Class 0 or Class 1 air	
	ducts and air connectors in accordance with UL 181–2003, Factory-Made Air Ducts and	
	Air Connectors (incorporated by reference, see § 3280.4). Class 1	air Air ducts and air
	connectors must be located at least within 3 feet from of the furn	ace <u>discharge bonnet</u>
	or plenum must be rated to withstand the maximum discharge air temperature of the	
	equipment. Air connectors must not be used for exterior manufactured home duct	
	connection. A duct system integral with the structure must be of durable construction	
	that can be demonstrated to be equally resistant to fire and deter	rioration as required by
	this section. Furnace supply plenums must be constructed of meta	al that extends a
	minimum of 3 feet from the heat exchanger measured along the	centerline of airflow.
	Ducts constructed from sheet metal must be in accordance with t	he following table:
Reason:	Adding the requirement that the duct be rated to at least the max	kimum air discharge
	temperature of the equipment satisfies the fire safety concern an	d covers all installation
	cases without needing to specify type of equipment or type of duct.	
Substantiating	no	
Documents:		
Additional Cost:	No	
Cost Benefit	There will be no additional cost associated with this proposal.	
Explanation:		
Subcommittee	Approve (10-0-0)	
Recommendation:		
MHCC Action:	Approve (19-0-0)	
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	MHCC Final Action submitted to HUD.	
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confi	irmed by MHCC Ballot
	ll.	
	12/5/2014 – Additional Cost and Cost Benefit Explanation receive	d from Manuel
	Santana.	
	12/4/2014	
	o MHCC Motion: Approve.	
	 TSSC Recommendation: Approve. 	
	10/8/2014 – Log 88 was submitted by a Task Force consisting of N	
	Debra Blake, and Tim O'Leary. The TF was responsible for turning	
	Supply Air Ducts Letter into a proposed change. Log 88 is the resu	Iting proposed change.
	The proposed change is missing Cost/Benefit Information.	

Log # 89 - § 3282.8 Ap	pplicability	Date: 11/19/2014	
Submitter:	Mark Weiss		
Requested Action:	Revised Text		
Proposed Change:	Revise 24 CFR 3280.2 Definitions as follows:		
	Dwelling unit means one or more habitable rooms which are designed to		
	one family with facilities for living, sleeping, cooking and eating a structure designed and		
	constructed for use as a permanent residence by one or more persons, with facilities for		
	sleeping, eating, cooking, and sanitation, which constitutes an independent living unit.		
	The term "dwelling" (as defined in 24 C.F.R. 3282.8(g) does not include recreational		
	vehicles or other transportable structures designed, constructed, and utilized exclusively		
	for temporary, non-residential occupancy.		
	Manufactured home means a structure, transportable in one or more sections, which in the traveling mode is 8 body feet or more in width or40 body feet or more in length or which when erected on-site is 320 or more square feet, and which is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, and includes the plumbing, heating, air-conditioning, and electrical systems contained in the structure. This term includes all structures that meet the above requirements except the size requirements and with respect to which the manufacturer voluntarily files a certification pursuant to§ 3282.13 of this chapter and complies with the construction and safety standards set forth in this part 3280. The term does not include any self-propelled recreational vehicle. Calculations used to determine the number of square feet in a structure will include the total of square feet for each transportable section comprising the completed structure and will be based on the structure's exterior dimensions measured at the largest horizontal projections when erected on site. These dimensions will include all expandable rooms, cabinets, and other projections containing interior space, but do not include bay windows. Nothing in this definition should be interpreted to mean that a manufactured home necessarily meets the requirements of HUD's Minimum Property Standards (HUD Handbook 4900.1) or that it is automatically eligible for financing under 12U.S.C. 1709(b).		
	Revise 24 C.F.R. 3282.8 Applicability as follows:		
	3282.8 (g) Recreational vehicles. Recreational vehicles are not supart3280, or part 3283. A recreational vehicle is a vehicle which		
	(1) Built on a single chassis;		
	(2) 400 Square feet or less when measured at the largest horizor	ntal projections;	
	(3) Self-propelled or permanently towable by a light duty truck; a	and	
	(4) Designed primarily not for use as a permanent dwelling but as temporary living		
	quarters for recreational, camping, travel, or seasonal use. A recreational vel		
	self-propelled or towable vehicle, or other transportable structure, not affixed		
	either permanently or temporarily, that is neither designed, constructed nor utilized as a		
	dwelling.		

Reason: Substantiating	At the urging of the recreational vehicle (RV) industry, legislation has been introduced in Congress (i.e. H.R. 5658) that would exempt certain RVs from the definition of "manufactured home" contained in the National Manufactured Housing Construction and Safety Standards Act of 1974 (as amended) (42 U.S.C. 5402(6)) ("Act"). Currently, the Act expressly exempts only "self-propelled recreational vehicle[s]" from the statutory definition of "manufactured home" and potential regulation by HUD pursuant to the Act. H.R. 5658 would create and extremely broad statutory exemption for "towed" RVs, with no size or single-chassis limitation, and for an undefined class of "Park Model" RVs with a "gross area of not greater than 400 square feet" Given the fact that the Act, by its express terms, is a "housing" law and, in its original form, included no reference to RVs, expanded statutory RV exemption language would only exacerbate the problems caused by the later inclusion of "self-propelled" RVs. Such a broad statutory exemption, moreover, which could effectively create a class of unregulated de facto homes and thereby expose consumers to significant safety risks and home value issues, among other negative impacts, is unnecessary to address any potentially valid concerns raised by RV interests. It would also invite potentially unlimited requests for similar statutory exclusions for other types of existing structures and/or structures that could evolve with new technology in the future. Instead, since the Act defines regulated "manufactured homes" as designed for use as a "dwelling," and there is no dispute that RVs are not designed for use as a "dwelling," the sections cited above should be modified to exclude non-dwelling RVs from HUD regulation pursuant to the Act. Such regulation, based on the design, construction and use of RVs versus manufactured homes, would eliminate continuing disputes over the current definitions and exclusions based on size parameters and dimensions, as well as administrative interpretations re
Documents:	
Additional Cost:	No
Cost Benefit	MHARR does not anticipate any impact on the cost of manufactured housing to the
Explanation:	public as defined by the Act (42 U.S.C. 5403(e)) as a result of adoption of the proposed
	amendments.
Subcommittee	
Recommendation:	
MHCC Action:	Approved as Modified (19-0-0)
MHCC Modification	Revise Standard as follows:
of Proposed	2202 0 Anniinabilita
Change:	3282.8 Applicability (g) Recreational value of a subject to this part, part 2280. A
	(g) Recreational vehicles. Recreational vehicles are not subject to this part, part 3280. A recreational vehicle is a vehicle which is: factory built vehicular structure designed only
	for recreational use and not as a primary residence or-for permanent-occupancy, built
	and certified in accordance with NFPA 1192-2015 or ANSI A119.5-09 consensus
	standards for recreational vehicles and not certified as a manufactured home.
	(1) Built on a single chassis;
	(2) 400 Square feet or less when measured at the largest horizontal projections;
	(3) Self-propelled or permanently towable by a light duty truck; and
	(4) Designed primarily not for use as a permanent dwelling but as temporary living
	quarters for recreational, camping, travel, or seasonal use.
MHCC Reason:	The HUD Office of Manufactured Housing regulates manufactured housing.
	Manufactured housing designed and built to HUD standards under the HUD Office of
	Manufactured Housing program are permanent residences. RVs designed and built for
	temporary recreational or seasonal camping accommodation in accordance with widely
	used/accepted national standards and are not manufactured homes.

	RVs, in their many shapes and sizes, are not manufactured homes and are outside of the manufactured home standards and regulations. The current HUD regulation that excludes recreational vehicles from the HUD manufactured housing standards and regulations adds language that defines an RV. In practice, this has the effect of acting as de facto federal HUD regulation of RVs.		
	There is no need for a complicated definition of recreational vehicles in the HUD regulations that acts as de facto HUD standards for RVs and potentially creates an obligation for the HUD Office of Manufactured Housing to attempt to enforce manufactured housing standards on RVs.		
	The model for this proposal is 24 CFR 3282.8(L): "(I) Multifamily homes. Mobile homes designed and manufactured with more than one separate living unit are not covered by the standards and these regulations." This simple exclusionary language creates a clear, simple and bright line between manufactured housing and multifamily housing. The same clear, simple and bright line also makes sense for excluding RVs from HUD's manufactured housing program.		
Current Status:	MHCC Final Action submitted to HUD.		
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot		
	II. 12/2/2014 – MHCC Motion: Approve as Modified.		

LUB # 90 - 9 3285.2 IVI	anufacturer installation instructions	Date: 11/21/2014	
Submitter:	Manuel Santana, Cavco Industries		
Requested Action:	Revised Text		
Proposed Change:	3285.2(c)(1)(ii)		
	If designs and instructions are not available from the manufacturer, obtain an alternate		
	design prepared and certified by a registered professional engineer or registered		
	architect for the support and anchorage of the manufactured home that is consistent		
	with the manufactured home design , and conforms to the requirements of the MHCSS.		
	and has been approved by the manufacturer and the DAPIA.		
Reason:	This section recognizes that it is impossible for a manufacturer's installation manual to		
	address all site specific circumstances. This section provides owners and installers with		
	the option to obtain an installation method better suited (be it do		
	conditions) to their situation. Requiring that the proprietary, site	•	
	foundation system that the customer paid to obtain be submitted		
	manufacturer and DAPIA completely eliminates the benefit of allo		
	obtain their own design. This requirement only serves to increase	e both the cost and	
Code at a set lastice as	completion time of the project.		
Substantiating	No		
Documents:	No		
Additional Cost: Cost Benefit	No This proposal constitutes a source to the systeman both in time of	and manay total	
Explanation:	This proposal constitutes a savings to the customer both in time and money, total		
Explanation.	savings will vary.		
Subcommittee			
Recommendation:			
MHCC Action:			
MHCC Modification	Revise Standard as follows:		
of Proposed	· ·		
-	3285.2(c)(1)(ii)		
Change:	3285.2(c)(1)(ii) If designs and instructions are not available from the manufacture	er, obtain an alternate	
Change:	If designs and instructions are not available from the manufacture		
Change:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer	er or registered	
Change:	If designs and instructions are not available from the manufacture	er or registered ne that is consistent	
Change:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home	er or registered ne that is consistent	
Change: MHCC Reason:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require	er or registered ne that is consistent ements of the MHCSS,	
	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA.	er or registered ne that is consistent ements of the MHCSS,	
MHCC Reason:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured hom with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this se	er or registered ne that is consistent ements of the MHCSS, ection.	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engined architect for the support and anchorage of the manufactured hom with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this se Awaiting Final Action from MHCC.	er or registered ne that is consistent ements of the MHCSS, ection.	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified.	er or registered ne that is consistent ements of the MHCSS, ection.	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified. "Revise Standard as follows:	er or registered ne that is consistent ements of the MHCSS, ection.	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified. "Revise Standard as follows: 3285.2(c)(1)(ii)	er or registered ne that is consistent ements of the MHCSS, ection. eturned by MHCC Ballot	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified. "Revise Standard as follows: 3285.2(c)(1)(ii) If designs and instructions are not available from the manufacture	er or registered ne that is consistent ements of the MHCSS, ection. eturned by MHCC Ballot er, obtain an alternate	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufactured design prepared and certified by a registered professional engined architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified. "Revise Standard as follows: 3285.2(c)(1)(ii) If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer.	er or registered ne that is consistent ements of the MHCSS, ection. Turned by MHCC Ballot er, obtain an alternate er or registered	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufactured design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified. "Revise Standard as follows: 3285.2(c)(1)(ii) If designs and instructions are not available from the manufactured design prepared and certified by a registered professional engineer architect for the support and anchorage of the manufactured home.	er or registered ne that is consistent ements of the MHCSS, ection. eturned by MHCC Ballot er, obtain an alternate er or registered ne that is consistent	
MHCC Reason: Current Status:	If designs and instructions are not available from the manufactured design prepared and certified by a registered professional engined architect for the support and anchorage of the manufactured home with the manufactured home design, and conforms to the require and has been approved by the manufacturer and the DAPIA. Approval by the DAPIA was too important to remove from this see Awaiting Final Action from MHCC. 2/10/2014 – Final Action from December 2-4, 2014 meeting over II. 12/2/2014 – MHCC Motion: Approve as Modified. "Revise Standard as follows: 3285.2(c)(1)(ii) If designs and instructions are not available from the manufacture design prepared and certified by a registered professional engineer.	er or registered ne that is consistent ements of the MHCSS, ection. eturned by MHCC Ballot er, obtain an alternate er or registered ne that is consistent	

Log # 91 - § 3280.603	General requirements	Date: 11/21/2014	
Submitter:	Manuel Santana, Cavco Industries		
Requested Action:	Revised Text		
Proposed Change:	3280.603(b)(4)(ii)		
	A statement in the installation instructions required by §3280.306(b), stating that if the		
	heat tape of pipe heating cable is used, it must be listed for use with manufactured		
	homes. or certified for its intended purpose.		
Reason:	Heat tape used on a manufactured home is not different than heat tape used on a		
	conventionally built home. This would relieve the added cost to th	e customer of	
	additional listing expense incurred by the manufacturer.		
Substantiating	No		
Documents:			
Additional Cost:	No		
Cost Benefit	There is no additional costs with this proposal. there are potential cost savings by having		
Explanation:	more options available to the consumer.		
Subcommittee			
Recommendation:			
MHCC Action:	Approve (19-0-0)		
MHCC Modification			
of Proposed			
Change:			
MHCC Reason:			
Current Status:	MHCC Final Action submitted to HUD.		
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot		
	II.		
	12/2/2014 – MHCC Motion: Approve.		

Log # 92 - § 3280.709	Installation of appliances	Date: 11/21/2014	
Submitter:	Manuel Santana, Cavco Industries		
Requested Action:	Revised Text		
Proposed Change:	3280.709(a)		
	The installation of each appliance shall conform to the terms of its listing and the		
	manufacturer's instructions. The installer shall leave the manufacturer's instructions		
	attached to the appliance. Every appliance shall be secured in place to avoid		
	displacement. For the purpose of servicing and replacement, each appliance shall be		
	both accessible and removable.		
Reason:	§3280.711 requires that installation instructions be shipped with the homeowners		
	manual. This caused confusion as to whether it was necessary to s	•	
	instructions with each appliance, one with the appliance and one		
	manual. This revision will make it clear that it is not necessary to s	hip a duplicate set of	
	installation instructions with each house.		
Substantiating	No		
Documents:			
Additional Cost:	No		
Cost Benefit	There is a cost benefit of not having to procure and ship duplicate sets of installation		
Explanation:	manuals.		
Subcommittee			
Recommendation:			
MHCC Action:	Approve (19-0-0)		
MHCC Modification			
of Proposed			
Change:			
MHCC Reason:			
Current Status:	MHCC Final Action submitted to HUD.		
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot		
	.		
	12/2/2014 – MHCC Motion: Approve.		

Log # 93 - § 3280.709	Installation of appliances &	Date: 11/21/2014	
§ 3285.503	§ 3285.503 Optional appliances		
Submitter: Manuel Santana, Cavco Industries			
Requested Action:	Revised Text		
Proposed Change:	3280.709(g)		
	Solid fuel-burning factory-built fireplaces and fireplace stoves listed for use in		
	manufactured homes residential use may be installed in manufactured homes provided		
	they and their installation conform to the following paragraphs. A fireplace or fireplace		
	stove shall not be considered as a heating facility for determining compliance with		
	subpart F.		
	3285.503 (b) Fireplaces and wood stoves.		
	When not provided by the home manufacturer, fireplaces and wood-stoves must be		
	listed for use with manufactured homes or certified for their inten	ided purpose and must	
	be installed in accordance with their listings.		
Reason:	Residential fireplaces when listed by a nationally recognized agend	cy are constructed in	
	the same manner as one that has been listed for use in a manufac	tured home. This	
	would relieve the added cost to the customer of additional listing	expense incurred by	
	the manufacturer.		
Substantiating	No		
Documents:			
Additional Cost:	No		
Cost Benefit	There is no additional cost associated with this proposal		
Explanation:			
Subcommittee			
Recommendation:			
MHCC Action:	Log 93-A: Approve (19-0-0)		
	Log 93-B: Approve as Modified (18-1-0)		
MHCC Modification	Log 93-A		
of Proposed	3280.709(g)		
Change:	Solid fuel-burning factory-built fireplaces and fireplace stoves li		
	manufactured homes residential use may be installed in manuf		
	provided they and their installation conform to the following paragraphs. A fireplace		
	or fireplace stove shall not be considered as a heating facility for determining		
	compliance with subpart F.		
Log 93-B			
	Revise proposed change as follows (in red):		
	220F FO2 (h) Firenlesses and wood stoves		
3285.503 (b) <i>Fireplaces and wood stoves.</i> When not provided by the home manufacturer, fireplaces and wood-stoves must be		wood stoves must be	
	listed for residential use with manufactured homes or certified		
MHCC Reason:	 purpose and must be installed in accordance with their listings. Log 93-B: Clarification for residential use only, "certified for their intended purpose" 		
WITTEE Reason.	language was deemed unnecessary. If the fireplace or wood stove	· ·	
	residential use and are installed in accordance with their listings there should be no reason why you shouldn't be able to use them in a manufactured home.		
Current Status:	Log 93-A: MHCC Final Action submitted to HUD.		
Jan Come Grands	Log 93-B: MHCC Final Action submitted to HUD.		
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot		
-08	II.		
	12/2/2014		
	MHCC Motion: Approve as Modified Log 93-B.		
	MHCC Motion: Approve Log 93-A.		
	 MHCC Motion: Divide proposed change based on section 		
		-	

Log # 94 - § 3280.707	Log # 94 - § 3280.707 Heat producing appliances Date: 11/21/2014		
Submitter:	Manuel Santana, Cavco Industries		
Requested Action:	Revised Text		
Proposed Change:	3280.707(a)		
	Heat-producing appliances and vents, roof jacks and chimneys necessary for their		
	installation in manufactured homes shall be listed or certified by a nationally recognized		
	testing agency for use in manufactured homes.		
Reason:	Safety features and efficiency ratings can be met by using a residential appliance listed		
	by a nationally recognized listing agency and not cause additional expense to the		
	manufacturer and customer by forcing appliance manufacturers to listed for use in a manufactured home.	o state their product is	
Substantiating	No		
Documents:	NO		
Additional Cost:	No		
Cost Benefit	112		
Explanation:	There is no additional cost associated with this proposal. It will benefit consumers by making available a wider ranges appliances for installation in manufactured homes.		
Explanation.	making available a wider ranges appliances for installation in main	aractarea nomes.	
Subcommittee			
Recommendation:			
MHCC Action:	Approve as Modified (19-0-0)		
MHCC Modification	Revise proposed change as follows (in red):		
of Proposed			
Change:	3280.707(a)		
	Heat-producing appliances and vents, roof jacks and chimneys neo		
	installation in manufactured homes shall be listed or certified for residential use by a		
	nationally recognized testing agency. for use in manufactured homes.		
MHCC Reason:	Clarification.		
Current Status:	MHCC Final Action submitted to HUD.		
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot		
	II.		
	12/2/2014 – MHCC Motion: Approve as Modified.		

Log # 95 - § 3280.102		Date: 11/21/2014			
§ 3280.103 Submitter:	Light and ventilation Michael Lublings Northwest Energy Efficiency Alliance				
Requested Action:	Michael Lubliner, Northwest Energy Efficiency Alliance Revised Text				
Proposed Change:	PROPOSED VENTILATION CHANGES TO CURRENT HUD MANUFAC	TURED HOUSING			
Froposeu Change.	CONSTRUCTION & SAFETY STANDARDS (MHCSS):	CTORED HOUSING			
	Insert the following definitions from 62.2-2013 into 3280.103:				
	air, exhaust: air discharged from any space to the outside by an exhaust:				
	air, outdoor: air from outside the building taken into a ventilation outside the building that enters a space through infiltration or nat openings.				
	exhaust system: one or more fans that remove air from the buildi to enter by ventilation inlets or normal leakage paths through the				
	mechanical ventilation: the active process of supplying air to or reindoor space by powered equipment such as motor-driven fans ar devices such as wind-driven turbine ventilators and mechanically of	nd blowers but not by			
	natural ventilation: ventilation occurring as a result of only natural pressure or differences in air density, through intentional opening windows and doors.	-			
	supply system: one or more fans that supply outdoor air to the buair to leave by normal leakage paths through the building envelop				
	ventilation: the process of supplying outdoor air to or removing indoor air from dwelling by natural or mechanical means. Such air may or may not have been conditioned.				
	Insert and delter the following in § 3280.103 Light and ventilatio	n.			
	(b) Whole-house ventilation. Each manufactured home must be proposed in the proposed mechanical ventilation having a minimum capacity of 0.035 floor space or its hourly average equivalent. This ventilation capacito any openable window area. The following criteria must be additional capacity of the proposed forms of the proposed	ft3/min/ft2 of interior city must be in addition			
	(1) The ventilation capacity must be provided by a mechanical <u>ventilation</u> system.	<u>itilation</u> system or a			
	(3) The ventilation <u>supply</u> system or a portion of the system is perwith the home's heating or cooling system. The <u>supply</u> system mu operating independently of the heating or cooling modes. A <u>mech supply</u> system that is integral with the heating or cooling system is the heating and cooling system or listed as suitable for use with the	st be capable of sanical ventilation s to be listed as part of			
	(c) Additional ventilation.				
	(2)Kitchens shall be provided with a <u>local exhaust fan</u> that is capated cfm to the outside of the home. The <u>local</u> exhaust fan shall be located possible to the range or cook top, but in no case farther than <u>3</u> fe the range or cook top.	ated as close as			
	(3)Each bathroom and separate toilet compartment shall be provi fans capable of exhausting 50 cfm to the outside of the home. A compartment may be provided with 1.5 square feet of openable g mechanical ventilation, except in Uo value Zone 3.	separate toilet			
	(f) Ventilation Supply and Exhaust System(s) Airflow Measureme required is the quantity of indoor air supplied and/or exhausted b				

system as installed and shall be measured using a flow hood, flow grid, or other commercially available airflow measuring device in accordance with the manufactured instructions. The frequency of testing shall be specified in manufacturer's quality assurance plan (QA). Measurements and shall occur whenever any ventilation system components is changed that may impact airflow(e.g. fan size, duct diameter, termination fitting type)

Exception: The airflow rating, at a pressure of 0.25 in. w.c. (62.5 Pa) may be used, provided the duct sizing meets the prescriptive requirements of Table XX or manufacturer's design criteria.

TABLE XX – Prescriptive Duct Sizing (note: bolded values are the range for mfg. home ventilation systems)

Duct Type		Flex Duct						S	moo	th D	uct					
Fan Airflow Rating																
CFM @0.25				12												
			400	5	450	200	250				400	425	450		250	300
(L/s @ 62.5 Pa)	50 (25)		100 (50)	•	150 (75)	(100	(125	(150	50 (25)						(125	(150
Diameter ¹ in. (mm)		l				Ma	ximuı	n Ler	ngth ²	^{,3,4} ft	. (m)		l			
3 (75)	Х	Χ	Χ	Χ	Х	Х	Х	Х	5(2)	Χ	Χ	Χ	Χ	Χ	Х	Х
4 (100)	56 (17)	4 (1)	х	x	х	х	х	х	114 (35)		10 (3)	х	х	х	х	х
5 (125)	NL	81 (25)	42 (9)	16 (5)	2 (0.6)	Х	Х	Х	NL	152 (46)		51 (16)	28 (9)	4 (1)	Х	Х
6 (150)	NL	NL	158 (48)	91 (2 8)	55 (17)	18 (5)	1 (0.3)	х	NL	NL	NL		112 (34)	53 (16)	25 (8)	9 (3)
7 (175)	NL	NL	NL	NL	161 (49)	78 (24)	40 (12)	19 (6)	NL	NL	NL	NL	NL	148 (45)		54 (16)
8 (200) and above	NL	NL	NL	NL	NL	189 (58)	111 (34)	69 (21)	NL	NL	NL	NL	NL	NL	198 (60)	133 (41)

- 1. For non-circular ducts, calculate the diameter as four times the cross-sectional area divided by the perimeter.
- 2. This table assumes no elbows. Deduct 15 feet (5 m) of allowable duct length for each elbow.
- 3. NL = no limit on duct length of this size.
- 4. X = not allowed, any length of duct of this size with assumed turns and fitting will exceed the rated pressure drop.

Reason: PROBLEM: This proposal attempts to address the GAO report recommendations to HUD related to INDOOR AIR QUAILTY. The proposer believes GOA raises urgent health and safety issue that must be PROMPTLY addressed to protect consumers and reduce liability issues to industry and HUD. PROPOSAL RECOMENDATIONS: 1) Utilize recognized engineering standards by better aligning 3280-103 with ANSI/ASHRAE standard 62.2-2013. The proposer believes that alignment is consistent with the objectives National Technology Transfer Act, which direct federal agencies to use established industry ANSI type standards. 2) The proposer looks forwarded to discussing this proposal as chair of the systems sub-committee task group addressing the GAO recommendations at the December 2014 MHCC meeting. 3) Improve engineering design equipment selection. This proposal advises on using 0.25 inch water static pressure drop (not 0.1 as currently assumed) and exhaust duct sizing tables in ASHRAE 62.2 at the design stage in selecting the ventilation system components. 4) Performance testing to ensure compliance with design values. The proposal includes a testing requirement for ALL ventilation system fans, using commercially available flow measuring equipment in accordance with the equipment manufacturer instructions for operation and calibration. The equipment manual instructions will allow for accurate measurements to be performed by manufacturer, DAPIA's, IPIA's, HUD staff and IBTS. it was suggested that the manufacturer QA plan should guide the frequency of ventilation system flow rate testing at the discretion of the manufacturer with DAPIA, IPIA and HUD/IBTS oversight. Noted examples of this commercially available equipment from; THE ENERGY CONSERVATORY: http://products.energyconservatory.com/flowblaster-capture-hood-attachment/ and http://products.energyconservatory.com/exhaust-fan-flow-meter/ ALNOR: http://www.tsi.com/Alnor-Balometer-Capture-Hood-EBT721/ The following are the proposers observations/notes from the MHCC Task Group Conference call on 11/17/2004: 1) Is there a low flow issue in the field? Lubliner offered to HUD and industry stakeholders technical field/in plant assistance to measure the performance of ventilation systems to ensure compliance with 3280.013 minimum flow rate requirements of; 0.035 cfm/ft2 for whole house, 100 cfm for kitchen and 50 cfm bath exhaust fans. Lubliner referenced his person experiences testing as well as an ASHRAE peer review research paper on HUD-code mfg. home ventilation, and the NIST research report for HUD Healthy Homes program. Both reports are peer reviewed engineering publications that document low flow measurements of bath, kitchen and whole house ventilation systems and both referenced in GAO report. 2) What is the scope of GAO report with respect to testing? Lubliner noted he believes the GAO report did not limit performance testing to just whole house ventilation, and suggests bath and kitchen fans performance testing be included, since the consumer care about all exhaust fans meeting the minimum flow rates required in MHCSS 3280.103. 3) What standards and protocols needed to guide flow rate measurements? There are no specific engineering standards that can be referenced to guide the testing. Francisco noted that that ASHRAE 62.2 does not include flow rate protocol requirements. Lubliner suggested that using the equipment manufacturer instructions should be adequate to help ensure the required accuracy and repeatability, as is the case when 62.2 is employed in site built and modular homes. 4) Proposer action items for HUD/MHCC should focus on; * The design and equipment selection using 0.25 pressure drop assumptions (as this proposal addresses), and duct sizing table. * Testing flow rates of ventilation systems using commercially available equipment in accordance the equipment manufacturer instructions. (as t * HUD provides an interpretation that would allow for one exhaust fan located in a bathroom be used for both whole house and bath exhaust ventilation to reduce cost to consumer and improve ventilation system performance. **Substantiating Documents: Additional Cost: Cost Benefit** There is no cost increase in this proposal, IF HUD allows, (as 62.2 does), the use of one **Explanation:** \$100 low sone (quiet) exhaust fan in a bathroom to satisfy both the 50 CFM bath fan AND 0.035 CFM.ft2 whole house requirements in MHCSS-3280-103. Any increased cost would be offset by not having to install a furnace supply system (e.g. POS or Blendaire)

	or installing cheap "whole house fan" in the hallway and by eliminating labor and materials associated with; ducting, wiring, ceiling drywall and roof decking/flashing. The cost of testing is insignificant, since the proposal allows the frequency to be determined by the mfg. QA plan. The testing equipment runs \$100-\$1000 and can be amortized over time so as not tom impact the cost of the individual home. These issues were discussed on the MHCC systems sub-committee tasks groups conference call 11/17/2014.
Subcommittee Recommendation:	Approve as Modified (8-0-0)
MHCC Action:	Approve as Modified (17-1-1)
MHCC Modification	Revise Standard as follows:
of Proposed	
Change:	PROPOSED VENTILATION CHANGES TO CURRENT HUD MANUFACTURED HOUSING CONSTRUCTION & SAFETY STANDARDS (MHCSS):
	Insert the following definitions from 62.2-2013 into 3280.102:
	air, exhaust: air discharged from any space to the outside by an exhaust system.
	air, outdoor: air from outside the building taken into a ventilation system or air from
	outside the building that enters a space through infiltration or natural ventilation openings.
	exhaust system: one or more fans that remove air from the building, causing outdoor air to enter by ventilation inlets or normal leakage paths through the building envelope.
	mechanical ventilation: the active process of supplying air to or removing air from an indoor space by powered equipment such as motor-driven fans and blowers but not by devices such as wind-driven turbine ventilators and mechanically operated windows
	natural ventilation: ventilation occurring as a result of only natural forces, such as wind pressure or differences in air density, through intentional openings such as open windows and doors.
	supply system: one or more fans that supply outdoor air to the building, causing indoor air to leave by normal leakage paths through the building envelope.
	<u>ventilation:</u> the process of supplying outdoor air to or removing indoor air from a dwelling by natural or mechanical means. Such air may or may not have been conditioned.
	Insert the following in § 3280.103 Light and ventilation.
	(b) Whole-house ventilation. Each manufactured home must be provided with whole-house mechanical ventilation having the capability to provide a minimum capacity of 0.035 ft3/min/ft2 of interior floor space or its hourly average equivalent. This ventilation capacity must be in addition to any openable window area. The following criteria must be adhered to:
	(1) The ventilation capacity must be provided by a mechanical <u>ventilation</u> system or a combination passive and mechanical <u>ventilation</u> system.
	(3) The ventilation <u>supply</u> system or a portion of the system is permitted to be integral with the home's heating or cooling system. The <u>supply</u> system must be capable of operating independently of the heating or cooling modes. A <u>mechanical</u> ventilation <u>supply</u> system that is integral with the heating or cooling system is to be listed as part of the heating and cooling system or listed as suitable for use with that system.
	(c) Additional ventilation.
	(2)Kitchens shall be provided with a <u>local exhaust system</u> that is capable of exhausting 100 cfm to the outside of the home. The <u>local exhaust system</u> shall be located as close as

	possible to the range or cook top, but in no case farther than 10 3 feet horizontally from							
	the range or cook top.							
	(3)Each bathroom and separate toilet compartment shall be provided with local exhaust							
	system capable of exhausting 50 cfm to the outside of the home. A separate toilet							
	· · · · · · · · · · · · · · · · ·							
	compartment may be provided with 1.5 square feet of openable glazed area in place of							
	mechanical ventilation, except in Uo value Zone 3.							
	(d) Ventilation Supply and Exhaust System(s) Airflow Measurement. The airflow							
	required is the quantity of indoor air supplied and/or exhausted by the ventilation							
	system as installed and shall be measured using a flow hood, flow grid, or other							
	commercially available airflow measuring device in accordance with the manufactured							
	instructions. The frequency of testing shall be specified in manufacturer's quality							
	assurance plan (QA). Measurements and shall occur whenever any ventilation system							
	components is changed that may impact airflow(e.g. fan size, duct diameter,							
	termination fitting type)							
	termination meting type]							
	During the design stage, the airflow rating at a pressure of 0.25 in. w.c. (62.5 Pa) may be							
	used, provided the duct sizing meets the prescriptive requirements of ANSI/ASHRAE							
	Standard 62.2-2013 Ventilation and Acceptable Indoor Air Quality in low-rise Residential							
	Buildings Table 5.3 or ventilation system manufacturer's design criteria.							
MHCC Reason:	The committee had concerns on the testing portion of the proposed change. It was							
	removed to allow the other parts of the proposed change to move forward.							
Current Status:	MHCC Final Action submitted to HUD.							
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot							
,	11.							
	12/4/2014							
	MHCC Motion: Approve as Modified.							
	 TSSC Recommendation: Approve as Modified. 							
	 Resolution of AI-2 GAO letter was presented as a modification to Log 95. 							

Log # 96 - § 3280.2 De	efinitions	Date: 11/21/2014
Submitter:	Mark Wilson, Community Frameworks	
Requested Action:	New Text	
Proposed Change:	Development of Manufactured Home Construction and Safety Statransportable in one section, which in the traveling mode is 8 body or 40 body feet or less in length or which when erected on-site is a square feet, and which is built on a permanent chassis and designed dwelling with or without a permanent foundation when connected utilities, and includes the plumbing, heating, air-conditioning, and contained in the structure. The dwelling may or may not contain a may or may not contain bathing fixtures, but at a minimum would and sink.	y feet or more in width between 150 and 320 ed to be used as a d to the required electrical systems kitchen, per se, and
Reason:	Community Frameworks is a 501(C)3 non-profit organization that affordable housing in the Pacific Northwest for over forty years. We manufactured home dealer in the states of OR and WA. We recent development of (30) Tiny Homes for a non-profit in Olympia, WA to permanent residence for otherwise homeless individuals. The development actional media coverage and has resulted in a great deal of interesticities throughout the nation. The Tiny Homes for that project were of a dearth of factory built options. We would like to develop a fact that can be replicated but due to the size of the structures and the are relegated to having them built to IRC standards. By establishin 3280, it would create a Federal Preemption, establish a universal case of placement and undoubtedly result in a more affordable so providing a permanent residence to homeless populations, we bel vulnerable individuals and groups that could benefit from the development of the provided of the provided of the structures and the standard. Information specific to the above referenced development the provided of	We are also a licensed tly completed a chat provided elopment resulted in st by non-profits and e site built as a result ctory built solution eir intended usage, we g standards under CFR design, facilitate the dution. In addition to ieve there are other elopment of this ent may be found at:
Substantiating Documents:	No	
Additional Cost:	Unknown	
Cost Benefit Explanation:	Relative to Administrative Costs: I do not know the cost implicatio Manufactured Housing Programs. Relative to product Costs: It has that it is much more cost effective to have a dwelling built to Part Housing Construction and Safety Standards than to the Internation	been my experience 3280 Manufactured
Subcommittee		
Recommendation:		
MHCC Action:	Disapprove (19-0-0)	
MHCC Modification		
of Proposed Change:		
MHCC Reason:	The MHCC does not have the authority under the Act to create a s under 320 sq ft. Other means are available for a tiny home product from HUD.	
Current Status:	MHCC Final Action submitted to HUD.	
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confil II. 12/2/14 – MHCC Motion: Disapprove.	rmed by MHCC Ballot

Log # 97 - § 3280.707	Heat producing appliances	Date: 11/21/2014			
Submitter:	Michael Lubliner, Northwest Energy Efficiency Alliance				
Requested Action:	New Text				
Proposed Change:	Insert "fuel burning" after "heat producing" in 3280-707				
Reason:	The requirement for listing was intended only for heat producing,	"fuel burning"			
	appliances such as natural gas, propane, oil and solid fuel furnaces	s &/or Domestic Hot			
	Water heater (DHW). This proposal will save consumers money and provide greater				
	choices to utilize non-burning energy efficient technologies such a				
	heaters and ductless and centrally ducted Variable Refrigerant flo				
	Consumers who desire these systems are often told that HUD requ				
	these technologies to be used without a special listing for HUD-ho				
	This often results in installation aftermarket which is more expens	sive than having the			
0 1 1 11 11	plant install				
Substantiating	No				
Documents:	No				
Additional Cost: Cost Benefit	No	hanna ana afkan kalal			
	Consumers who desire these electric space and water heating systems are often told that HUD requirements do not allow these technologies to be used without a special				
Explanation:	listing for HUD-homes built to MHCC. Often they end up doing the installation				
	aftermarket which is more expensive than having the plant install, and may result in				
	non-compliance with MHCSS. The proposal however will reduce revenues to listing				
	agencies who conduct the "special" HUD listing.				
	agentice the contact the operation 1102 hours.				
Subcommittee					
Recommendation:					
MHCC Action:	Disapprove (18-1-0)				
MHCC Modification					
of Proposed					
Change:					
MHCC Reason:	In favor of action on Log 94.				
Current Status:	MHCC Final Action submitted to HUD.				
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confi	rmed by MHCC Ballot			
	.				
	12/2/14 – MHCC Motion: Disapprove.				

Log # 98 - § 3280.307	Resistance to elements and use	Date: 11/21/2014
Submitter:	Michael Lubliner, Northwest Energy Efficiency Alliance	
Requested Action:	New Text	
Proposed Change:	Add section 6.2 definitions:	
	Water Resistive Barrier – A material behind the exterior wall cove	•
	prevent liquid water that has penetrated behind the exterior cover	ering from intruding
	further into the exterior wall assembly.	
	Add a new section "e":	
	§3280.307 Resistance to elements and use. (e) The exterior wall envelope shall be designed and constructed i prevents the accumulation of water within the wall assembly by presistive Barrier (WRB) behind the exterior cladding and a means enters the assembly.	providing a Water
Reason:	This proposal seeks to improve the durability, longevity, and quali	ity of our national
Reason.	"federally preempted" housing stock built to HUD MHCSS. WRB so by the residential home building industry as an effective way to repotential wall moisture problems. WRB practices have been adoped and even the Manufactured Housing Standard NFPA501-2010 sec 6.7.1.3.1. WRB systems are also required by DOE, ASHRAE, EPA, a housing programs. Requiring a WRB system may reduce wall moist mold, rot, and insects. Wall moisture-related problems may dama and may present potential negative health impacts. Reducing moist also lower risks to industry manufacturers, retailers, consumers, locompany property. During the MHCC meeting discussion, it was no manufactured home manufacturers follow window installation prinstallation manuals provided by window manufacturers. Window sell HUD code-approved windows have excluded a requirement for their installation manuals because they do not want to upset their large HUD-code corporations, in fear that they will lose their busing proposal levels the playing field so window installation practices for built and modular industry	ystems are recognized educe long-term ted in site-built codes etions 6.2.1.2 and and HUD in voluntary sture problems such as age consumer property isture problems may enders, and insurance noted that cocedures detailed in a manufacturers that or window flashings in a customers, such as ness. Adoption of this
Substantiating	No	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Moisture-related problems, which show up long after the manufa	cturer warranty
Explanation:	expires, result from failed cladding and/or window systems. The r several thousand dollars. The proposal would add an estimated; \$ window for window flashing and \$0.20 to \$0.30 per square foot for are positive given the avoided maintenance expenses, increases r extended useful life and/or home resale value.	50.80 to \$1.11 per or a WRB. Cost benefits
Subcommittee Recommendation:	Approve (10-0-0)	
MHCC Action:	Approve (19-0-0)	
MHCC Modification	, , , ,	
of Proposed		
Change:		
MHCC Reason:		
Current Status:	MHCC Final Action submitted to HUD.	
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confill. 12/3/14 MHCC Motion: Approve. TSSC Recommendation: Approve.	irmed by MHCC Ballot
	Toole Recommendation, Approve.	

Log # 99 - § 3282.8 Ap	pplicability	Date: 11/24/2014
Submitter:	Matt Wald, RVIA	
Requested Action:	New Text	
Proposed Change:	3282.8 (g) Recreational vehicles. Recreational vehicles are not subject to part 3283. A recreational vehicle is a vehicle which is built on a sin designed as temporary living quarters for recreational, camping, t and built in compliance with consensus standards for such productions.	ngle chassis and travel, or seasonal use
	(1) a self-propelled motorhome or recreational vehicle trailer that vehicle without a special highway use permit and is regulated by target and a same trailer that a special highway use permit and is regulated by target safety Administration as a vehicle, and	
	(2) a park model recreational vehicle that has a gross area of not go square feet based on the exterior dimensions of the unit measure horizontal projections in the setup mode, excluding any loft area in ceiling height, roof overhangs, and exterior porch or deck area that is not enclosed other than by guardrails.	ed at the largest having less than 5 feet
	(1) Built on a single chassis;	had on a taraktan a
	(2) 400 Square feet or less when measured at the largest horizont (3) Self-propelled or permanently towable by a light duty truck; as	
	(4) Designed primarily not for use as a permanent dwelling but as quarters for recreational, camping, travel, or seasonal use.	temporary living
Reason:	Recreation vehicles (RV) are not manufactured housing: they are to be permanent residences, they do not have a HUD label (tag), to not seek to attach a HUD label to them, and manufacturers are not preemption from state or local regulations of RVs. The Departmen Urban Development (HUD) and, specifically, the HUD Office of Maregulates manufactured housing. Manufactured housing, designed standards under the HUD Office of Manufactured Housing progrates residences. Recreational vehicles are designed and built to provid quarters for camping, recreational or seasonal use. Most, in fact, and RVs are statutorily outside the scope of HUD's manufactured housing regulation and standards. These proposed amendments to the apwill clarify RVs' status under the law. RVs and their use are regulated Highway Traffic Safety Administration (NHTSA) • State maximum which limit the length, width and height of all vehicles • State Modepartments • State RV standards requirements • Local zoning late ANSI/NFPA RV consensus standards RVIA's proposed amendment by clarifying that RVs are excluded from the definition of manufaction to the HUD manufactured housing standards program is 32 years does not reflect the evolution of RVs over the past three decades scheme they operate under today. Since the current definition was model RVs with porches have become a common RV choice in Am Fifth wheel and travel trailer RVs have evolved to meet consumer advent of slide-out rooms. These innovations in response to consupose any additional safety or health risks to the public, as evidency highway laws have allowed vehicles, including travel trailers and flarger. The HUD definition of "recreational vehicle" must be updated.	their manufacturers do be seeking federal and of Housing and anufactured Housing d and built to HUD and, are permanent le temporary living are vehicles. Therefore, sing program, uplicable regulations ted by: • The National vehicle dimension laws and regulations • as to HUD's regulations, ctured housing, avoids ary overregulation of all vehicles" as excluded ars old. The definition or the regulatory as written in 1982, park merican campgrounds. In demand, including the temporary to be seen that state fifth wheels, to become

	modern RV industry, current state maximum vehicle dimension laws, technology improvements, and consumer preferences rather than relying on regulatory policies that were created over a generation ago when electric typewriters and cassette tapes were cutting edge technology. RVIA's proposed amendments to HUD's regulations would create a modern, clear, simple and bright line between manufactured housing and recreational vehicles. Consumers, regulators, manufacturers, campground owners, dealers, and other stakeholders will be able to clearly and easily understand the distinction between modern manufactured housing that bears a HUD label and modern RVs that provide temporary living quarters for camping, recreational or seasonal use. As a result, there will be less need for enforcement action by the Office of Manufactured Housing as the industry will be better able to bring itself into compliance with the new regulations. Both the RV industry and the manufactured housing industry will benefit, as will consumers. These proposed amendments to the HUD regulations are supported by the recreation vehicle manufacturers, dealers, and the manufactured housing industry as well as the campground and RV park industry. In a letter to Administrator Danner (attached), RVIA requests HUD's support of these changes as well as sub-regulatory
	action to mitigate the effect of the outdated definition while updates to the regulation are considered.
Substantiating	Yes
Documents: Additional Cost:	No
Cost Benefit Explanation:	There are no costs associated with this proposal. To the contrary, confusion caused by the existing regulations and the interpretive bulletins issued under them have created circumstances in which a failure to promulgate an amended regulation on an expedited basis will lead to significantly increased costs. The October 1, 2014, HUD Office of Manufactured Housing policy memo affects current park models with porches that extend beyond 400 square feet, worth approximately \$454 million , and has pushed manufacturers that had intended to build additional park models into a regulatory limbo that could lead to closing down their businesses or substantial product lines. While accurate dollar value estimates do not currently exist, jobs and sales revenue will be lost for manufacturers and dealers if the regulations are not amended as proposed. In addition, campgrounds face the risk of being required to prohibit the use of park models or risk new regulation and taxation from state and local authorities. Millions of dollars in revenue and taxes could be at risk if the proposed new regulations are not promulgated quickly. Further, if the regulation is not amended to recognize the invention of slide out rooms (potentially allows slide out rooms to turn a recreational vehicle into manufactured housing) and continues to require that recreational vehicle be 'permanently towable by a light duty truck,' a term for which HUD currently has no definition' but which EPA defines as trucks 8500 GVWR and less, further costs will be incurred. Two and one-half million travel trailers, fifth wheels, and park model RVs would be classified as "manufactured housing" subject to HUD regulation if these regulatory changes are not made. The resulting cost to RV consumers, dealers, and manufacturers could total in the tens of billions of dollars. The benefits of this proposal to amend HUD's regulations extend beyond these avoided costs. Clarifying that modern RVs are not manufactured housing gives all elements of both industries, and consumers, r
Cubaammitta	
Subcommittee Recommendation:	
MHCC Action:	Disapprove (19-0-0)
MHCC Modification of Proposed Change:	

MHCC Reason:	In favor of action on Log 89.
Current Status:	MHCC Final Action submitted to HUD.
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot
	II.
	12/2/2014 – MHCC Motion: Disapprove.

Log # 100 - § 3280.204	4 Kitchen cabinet protection	Date: 11/24/2014		
Submitter:	Lois Starkey, MHI			
Requested Action:	New Text			
Proposed Change:	(f) Range hood finish materials must be installed with a minimum 5/16" gypsum board or other limited or non-combustible substrate between the metal range hood and the decorative finish materials. Finish materials shall have a flame spread rating not exceeding 200. Sealants and other trim materials 2" or less in width are exempt from this provision.			
Reason:	Decorative range hoods are used widely in the homebuilding industriance is needed to ensure that the use of decorative range hood fire safety requirements of Subpart C of the Manufactured Home (Safety Standards (24 CFR Part 3280). The proposal is more stringer International Residential Code (IRC) for One- to-Four Single Family contains no such requirement.	d covers will meet the Construction and nt then the		
Substantiating	Yes			
Documents:	Staff Note: No additional documents received.			
Additional Cost:	No			
Cost Benefit Explanation:	The proposal will update the standard to take into consideration of practices and at the same time meet appropriate fire safety requireminimal			
Subcommittee				
Recommendation:				
MHCC Action:				
MHCC Modification of Proposed Change:	Note: CC Mod at December 2014 Meeting - was referred to SDSC baction on this modification. Revise Proposed Change as follows (in red):	efore committee took		
	(f) Range hood finish materials must be installed with a minimum or other limited or non-combustible substrate between the metal decorative finish materials. Finish materials shall have a flame spreexceeding 200. Panel edges, sealants, and other trim materials 2" exempt from this provision.	range hood and the ead rating not		
MHCC Reason:				
Current Status:	Awaiting SDSC Recommendation.			
Log History:	12/4/2014 – SDSC Motion: Refer Log 100 to Manuel Santana for for 12/2/2014 – MHCC Motion: Refer to SDSC.	urther examination.		

Log # 101 - § 3280.613	1 Vents and venting		Date: 11/24/2014			
Submitter:	Lois Starkey, MHI					
Requested Action:	Revised Text					
Proposed Change:	§3280.611(c) Size of vent piping—(1) Main vents****** §3280.611(c) Size of vent piping—(1) Main vents****** (5) Distance of fixture trap from vent shall not exceed the values given in the following table:					
	Maximum Distance of Fixtures from Vent Trap					
	Size of fixture drain (inches)	Distance trap to vent				
	1-1/4	4 ft. 6 in . 5 ft.				
	1-1/2	4 ft 6 in . 6 ft.				
	2	5 ft. 8 ft.				
	3	6 ft. 12 ft.				
Reason:	of the International Plumbing	ce from the fixture trap to vent o Code. The International Plumbing nd modular homes for over a dec as first developed.	g Code has been used for			
Substantiating	No					
Documents:						
Additional Cost:	No					
Cost Benefit		th this proposal. it is an update to	•			
Explanation:	and aligns current construction	n and design practices with curre	ent codes.			
Subcommittee Recommendation:						
MHCC Action:	Approve (19-0-0)					
MHCC Modification of Proposed Change:	11 1					
MHCC Reason:						
Current Status:	MHCC Final Action submitted t	to HUD.				
Log History:	2/10/2014 – Final Action from II.	December 2-4, 2014 meeting co	onfirmed by MHCC Ballot			
	12/3/2014 – MHCC Motion: A	pprove.				

Log # 102 - § 3280.10	5 Exit facilities; exterior doors	Date: 11/24/2014
Submitter:	Lois Starkey, MHI	
Requested Action:	New Text	
Proposed Change:	3280.105(a)(3) One of the two required exit doors may discharge into an attached site-built garage provided the garage has an exit door that discharges to grade. An overhead garage door may not be used as an exit door.	
Reason:	The proposed change is consistent with the current requirement f single family site built homes. It allows for greater flexibility in hor construction and eliminates problems that arise from designing hor doors. It reflects current building design and construction technique protection for to homeowners. The current IRC Codes require a hor egress door (and it can be an egress door into a garage).	me design and omes with three egress ues, yet provides equal
Substantiating	No	
Documents:		
Additional Cost:	No	
Cost Benefit	Cost savings will result because it will avoid costs associated with	_
Explanation:	Alternative Construction approval requirements of the Procedural and Enforcement	
	Regulations (24 CFR Part 3282).	
Subcommittee	Disapprove (8-0-0) – The proposal is incomplete.	
Recommendation:		
MHCC Action:	Disapprove (19-0-0)	
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:	The proposal is incomplete.	
Current Status:	MHCC Final Action submitted to HUD.	
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confi	rmed by MHCC Ballot
	II.	
	12/4/2014	
	o MHCC Motion: Disapprove.	
	 SDSC Recommendation: Disapprove. 	
	 MHCC Motion: Refer to SDSC. 	

Log # 103 - § 3280.808	8 Wiring methods and materials	Date: 11/24/2014
Submitter:	Lois Starkey, MHI	
Requested Action:	Revised Text	
Proposed Change:	Proposed Change to 24 CFR Part 3280.808. Wiring Methods and Materials	
	3280.808 (k) When outdoor or under-chassis line-voltage wiring is exposed to moisture	
	or physical damage, it shall be protected by rigid metal conduit <u>listed for the intended</u>	
_	use. The conductors shall be suitable for wet locations.	
Reason:	The current requirement limits this application to rigid metal conduit. The 2005 NEC	
	provides many different types of conduit that can be used for wet	
- 1	locations where the conductors may be subject to physical damag	e.
Substantiating	No	
Documents:		
Additional Cost:	No	
Cost Benefit	This is a update to the current code, and is a benefit because it all	
Explanation:	and technologies to be utilized in the construction of manufacture	ed homes.
Subcommittee	Approve as Modified (10-0-0)	
Recommendation:		
MHCC Action:	Approve as Modified (19-0-0)	
MHCC Modification	Revise Standard as follows:	
of Proposed	3280.808 (k) Where When outdoor or under-chassis line-voltage (120 volts, nominal or	
Change:	higher) wiring is exposed to moisture or physical damage, it must be protected by a	
	rigid metal-conduit or raceway approved for use in wet locations or where subject to	
	physical damage. or intermediate metal conduit listed for the inte	
	conductors must be suitable for wet locations. Electrical metallic t	
	nonmetallic conduit is permitted to be used when closely routed a	against frames and
	equipment enclosures.	
MHCC Reason:	Modification removes the requirement that the conduit be rigid m	
	possible materials to anything that is acceptable and listed for use	e in this manner.
Current Status:	MHCC Final Action submitted to HUD.	
Log History:	2/10/2014 – Final Action from December 2-4, 2014 meeting confi	rmed by MHCC Ballot
	.	
	12/4/2014	
	o MHCC Motion: Approve.	
	TSSC Recommendation: Approve as Modified.	
	12/3/2014 – MHCC Motion: Refer to TSSC.	

Log # 104 - § 3285.5 § 3285.8	Definitions & 01 Exterior close-up	Date: 11/24/2014
Submitter:	Lois Starkey, MHI	
Requested Action:	New Text	
Proposed Change:	PART 3285—MODEL MANUFACTURED HOME INSTALLATION STA	NDARDS
	In §3285.5, in alphabetic order, add the definitions for "peak cap a flip assembly" to read as follows: §3285.5 Definitions. * * * * * Pe means any roof peak assembly that is either shipped loose or site installed to finish the roof ridge/peak of a home. Peak flip assemb peak assembly that requires the joining of two or more cut top chapter than the cut top chords must be joined at the factory by straps, hinges, * *	ak cap assembly completed and is site ly means any roof ord members on site.
	In §3285.801, revise paragraph (f)(2) to read as follows:	
	§3285.801 Exterior close-up. * * * * * (f) Hinged roofs and eaves. eaves must be completed during installation in compliance with a Manufactured Home Construction and Safety Standards (24 CFR P Manufactured Home Procedural and Enforcement Regulations 24 3282). Unless exempted by the following provisions, hinged roofs final inspection for compliance with the Manufactured home Cons CFR Part 3280) by the IPIA or a qualified independent inspector ac IPIA. Homes with hinged roofs that are exempted from IPIA inspectompleted and inspected in accordance with the Manufactured Homes (24 CFR Part 3286). This includes homes:	Il requirements of the lart 3280) and the CFR Part are also subject to a struction Standards (24 sceptable to the ction are instead to be
	 That are designed to be located in Wind Zone I: In which the roof pitch of the hinged roof is less than 7:12 incorporating peak cap or peak flip assembly components 	
	3. In which fuel burning appliance flue penetrations are not	above the hinge
Reason:	In 2009 under a formal opinion letter by the former program adm Manufactured Housing, HUD issued Alternate Construction (AC) a specified roof ridge designs without a requirement for specific on-HUD has changed its position for any new approvals of these type and going forward, will require an on-site IPIA inspection as a concent these types of designs. MHI believes that hinged roof assemblies, hinged or "peak flip" assemblies and ridge box or "peak cap" asser requirements of §3285.801(f) do not need AC letters and should be requirements for set-up under 24 CFR Part 3285. These types of he not violate any section of the standards (§3280), and thus do not a AC letters as prescribed under §3282.14. Pursuant to §3285.801, are exempted from on-site inspection by Production Inspection Proagencies (IPIA's). This exemption includes homes that: (1) that are located in Wind Zone 1; (2) in which the pitch of the hinged roof is in which fuel burning appliance flue penetrations are not above the both industry representatives and state regulators at the October, this type of roof installation is common throughout the country, for built housing, including those under applicable modular construct installation of these hinged roofs is much less complicated than merequirements for multi-section homes. The technology involved is time-tested without failures. Licensed and trained installers must accordance with the manufacturer's installation instructions and reprovisions, including inspections, of 24 CFR Parts 3285 and 3286, Note that the manufacturer is installation instructions and reprovisions, including inspections, of 24 CFR Parts 3285 and 3286, Note that the manufacturer is installation instructions and reprovisions, including inspections, of 24 CFR Parts 3285 and 3286, Note that the manufacturer is installation instructions.	pprovals for certain site IPIA inspections. so of ridge assemblies, dition for approval of known as double mblies, that meet the se covered by the inged roof designs do qualify for or require certain hinged roofs imary Inspection e designed to be sess than 7:12, and (3) see hinge. As noted by 2012 MHCC meeting, or all types of factoryion programs. The ost "close up" not new and has been install these homes in meet all other Model Manufactured

Substantiating	Yes
Documents:	Staff Note: No additional documents received.
Additional Cost:	No
Cost Benefit	This will be beneficial by incorporating current design practices into the regulations, and
Explanation:	eliminate unnecessary IPIA inspections.
Subcommittee	
Recommendation:	
MHCC Action:	Approve (19-0-0)
MHCC Modification	
of Proposed	
Change:	
MHCC Reason:	
Current Status:	MHCC Final Action submitted to HUD.
Log History	2/10/2014 – Final Action from December 2-4, 2014 meeting confirmed by MHCC Ballot
	II.
	12/3/2014 – MHCC Motion: Approve.

Log # 105 - § 3282.8 A	pplicability	Date: 11/24/2014
Submitter:	Lois Starkey, MHI	
Requested Action:	New Text	
Proposed Change:	Add the following (underlined language) to 24 CFR Part 3282.8	
Reason:	(g)Recreational vehicles. Recreational vehicles are not subject to this part, part3280, or part 3283. A recreational vehicle is a vehicle which is: (1) built on a single chassis; (2) 400 square feet or less when measured at the largest horizontal projections in the setup mode, excluding any loft area having less than 5 feet in ceiling height, roof overhangs, and exterior porch or deck area less than 10 feet in length and not enclosed other than by guardrails; (3) Self-propelled or permanently towable by a light duty truck; and (4)Designed primarily not for use as a permanent dwelling but as temporary living quarters, for recreational, camping travel, or seasonal use The proposal clarifies that porches and roof overhangs an RV/park model may be excluded from the measurement requirements of HUD's Interpretative Bulletin A-I-88 and 24 CFR 3282.8(g). This address confusion that has arisen in the marketplace	
	between a manufactured home and a towable, RV/Park models. R (RV) are not manufactured housing: they are not designed nor bui	ecreation vehicles
	residences, they do not have a HUD label (tag). There is no addition with this proposal	-
Substantiating	No	
Documents:		
Additional Cost:	No	
Cost Benefit	This will benefit consumers by eliminating any confusion between	manufactured homes
Explanation:	a RV Park Models or Recreational Park Trailers.	
Subcommittee		
Recommendation:		
MHCC Action:	Disapprove (19-0-0)	
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:	In favor of action on Log 89.	
Current Status:	MHCC Final Action submitted to HUD.	
Log History	2/10/2014 – Final Action from December 2-4, 2014 meeting confil II.	rmed by MHCC Ballot
	12/2/2014 – MHCC Motion: Disapprove.	

Log # 106 - § 3282.362	2 Labels	Date: 11/25/2014
Submitter:	Lois Starkey, Manufactured Housing Institute	
Requested Action:	Revised Text	
Proposed Change:	24 CFR3282.362 - Production Inspection Primary Inspection Agencies (IPIAs).	
	(c)(2)Labeling—	
	(i)Labels required.	
	(A) The IPIA shall continuously provide the manufacturer with a two-four week supply	
	(at the convenience of the IPIA and the manufacturer) of the labels described in this	
	subsection, except that no labels shall be issued for use when the IPIA is not present if	
	the IPIA is not satisfied that the manufacturer can and is produci	-
_	homes which conform to the design and, as appropriate, to the s	
Reason:	This proposal is needed to address problems in recent years, of la	_
	have been several such occasions in the last two years when Congressional budget	
	impasses have led to a government wide shutdown. Also State IP	
	number of manufacturers, have had problems with allocations w	nen production
Cultatantiatina	increases unexpectedly.	
Substantiating Documents:	No	
Additional Cost:	No	
Cost Benefit	The proposed will be beneficial to consumers because sales will r	act he constrained by
Explanation:		•
Explanation.	arbitrary limits on the number of labels that can be purchased by manufacturers. Should there be a need to limit label distribution, HUD can do so under its compliance and	
	enforcement authority.	ts compliance and
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 107 - § 3280.2 Definitions Date: 11/25/2014		Date: 11/25/2014
Submitter:	Lois Starkey, Manufactured Housing Institute	
Requested Action:	Revised Text	
Proposed Change:	Proposed Change to 24 CFR Part 3280.2 Definitions.	
	Certification label means the approved form of certification by the under §3280.8 §3280.11, is permanently affixed to each transpormanufactured home manufactured for sale in the United States.	
Reason:	This section corrects a typographical error. The section in the HU certification requirements is §3280.11. §3280.8 deals with waive	
Substantiating	No	
Documents:		
Additional Cost:	No	
Cost Benefit	This is an editorial change only.	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 108 - § 3280.607	7 Plumbing fixtures	Date: 12/08/2014
Submitter:	Ross Kinzler	
Requested Action:	New Text	
Proposed Change:	(7) Accessible shower or bath tubs. These fixtures designed to accommodate individuals	
	with special needs shall be installed in accordance with the manufacturer's instructions	
	not withstanding other requirements of this section.	
Reason:	Manufacturers routinely reject requests for walk-in, zero step entry or other accessible	
	bathing fixtures because of limitations imposed by 3280.607 for minimum dam heights	
	and traps. This new language would permit in plant installation of	- ,
	designed to serve the handicapped but may not conform to othe	
	Code provided that they are installed in accordance with the fixt	ure's manufacturer
	provided instructions.	
Substantiating	No	
Documents:		
Additional Cost:	No	
Cost Benefit	Consumers report to us that they often have to order a home wi	•
Explanation:	to bear the cost of demolishing the new bath just to install a handicap accessible unit.	
	The new language should also avoid the need for an AC letter for those manufacturers	
	that want to be customer focused and install the correct bath in	the plant.
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 109 - § 3280.21	0, Subpart C Date: 12/16/2014
Submitter:	David Karmol
Requested Action:	New Text
Proposed Change:	24 CFR 3280.210 Fire and Life Safety Detection and Suppression Systems. All
	manufactured home dwelling units shall comply with the following life safety requirements of 2015 International Residential Code for One and Two Family Dwelling Units©(IRC).
	Residential Fire Sprinkler Systems (R313.2)
	Interconnected Smoke Alarms (R314)
	Carbon Monoxide Alarms (R315)
	(All of the cited 2015 International Residential Code (IRC) requirements can be found in Chapter 3 of the code, which is available for viewing at codes.iccsafe.org)
Reason:	The International Residential Code(IRC) is adopted throughout the United States, and since the 2009 edition, Section R313 has required the installation of automatic fire sprinklers in all new residential dwelling units. This requirement is intended to reduce the risks associated with the change in materials of construction, as well as the significant changes in the materials of housing unit room contents and furnishings, which has dramatically raised the risk of fire related deaths and injuries in new homes. These changes have affected all new dwellings, including manufactured homes. The IRC has required smoke alarms since the 2000 version, and has required carbon monoxide detectors for certain housing units since 2006.All of these requirements are minimum life safety requirements, of minimal cost, with demonstrated proof that they save thousands of lives annually. We believe that most new manufactured homes are already protected by smoke alarms, and technology has made interconnected smoke alarms a sensible, and almost zero additional cost requirement in the new IRC. Likewise, carbon monoxide detectors are required where a fuel-fired appliance is installed in the dwelling unit, and such detectors are often combined in a single system with smoke alarms, which the code recognizes and permits. The requirement for a sprinkler system follows the evidence that where sprinklers are installed in all new homes the incidence of significant fires is dramatically reduced, property damage is dramatically lessened, and most important, deaths from fire are eliminated as a risk, both to the occupants, and to first responders who answer calls when a fire breaks out. In the one jurisdiction where sprinkler systems have been required in new residential dwellings, the record is clear: not a single death, to either a firefighter or occupant, has occurred in a sprinklered home for nearly thirty years. This is a remarkable statistic, and argues strongly in favor of sprinkler installation. That jurisdiction (Scottsdale, AZ) is one wh

	around \$.59/sf, over the course of the years the requirement has been in place, despite
	generally rising construction costs over the same period. The same economies of scale
	should be expected with manufactured housing. See, Automatic Sprinklers, a Ten Year
	Study (http://www.infinearrinkler.org/deco/coattadele0/20cm/inklere0/20100/20ccer0/20range
	(http://www.ircfiresprinkler.org/docs/scottsdale%20sprinklers%2010%20year%20repor
	t.pdf) The NFPA Research Foundation has release a study showing the cost of installing residential fire sprinkler systems for on-site construction to be an average of \$1.35/sq.
	ft. Link: http://www.nfpa.org/research/fire-protection-research-foundation/reports-
	and-proceedings/suppression/home-fire-sprinklers/home-fire-sprinkler-cost-
	assessment-final-report It is reasonable to presume the cost would be lower for
	manufactured housing based on the efficiencies that can be achieved with installation at
	the manufacturing facility. Two recent fires in manufactured homes, one in Edna, TX and
	the other in Portland, ME, which together claimed the lives of nine people- seven
	children and two adults- should be reason enough for the HUD MHCC to immediately
	mandate the same protection for manufactured homes as is now required in the
	International Residential Code for site built homes, which is used as the basis for
	residential building codes in 49 of the 50 states. See reports in FireRescue1:
	http://www.firerescue1.com/children/articles/2029347-5-children-killed-in-Texas-
	mobile-home-fire/
Substantiating	No
Documents:	Ves
Additional Cost: Cost Benefit	Yes The estimated cost for automatic fire sprinklers is for additional cost of less than \$1.00
Explanation:	per square foot of dwelling unit space, based on the cost of installation of sprinklers in
Explanation.	site built homes, where transportation costs, specialized labor costs, and coordination
	and inspection costs are all higher than with manufactured housing. When a home is
	equipped with plumbing, the additional cost of installing automatic fire sprinklers is
	minimal, as the fire sprinklers simply require the additional installation of flexible piping,
	and sprinkler heads in the rooms/locations as required by the code. The following
	studies support the cost in site built homes:
	http://www.ircfiresprinkler.org/docs/scottsdale%20sprinklers%2010%20year%20report.
	pdf and http://www.nfpa.org/research/fire-protection-research-foundation/reports-
	and-proceedings/suppression/home-fire-sprinklers/home-fire-sprinkler-cost-
	assessment-final-report Interconnected smoke alarms will add no cost to the cost of
	smoke alarms, as almost all smoke alarms sold today are available with the interconnect
	feature, at prices equivalent to the price of non-interconnected smoke alarms (\$12-31.00 retail) Carbon Monoxide detectors are available, at retail prices of between \$7.00
	and \$50.00 on Amazon.com, and it is likely that they can be purchased at wholesale
	prices of considerably less. Link: http://www.amazon.com/carbon-monoxide-
	detector/b?ie=UTF8&node=495272 Combination smoke and carbon monoxide
	detectors are also commonly available, at prices not much higher than the cost of
	simple smoke detectors. At most, the cost of installing interconnected smoke alarms,
	and carbon monoxide detectors would be less than \$100.00 per manufactured home.
Subcommittee	
Recommendation:	
MHCC Action:	
MHCC Modification	
of Proposed	
Change: MHCC Reason:	
Current Status:	Received by Secretariat.
Log History:	neceived by Secretariat.
LUE HISTOLY.	

Log # 110 - § 24 CFR 3	280.211, Subpart C	Date: 12/16/2014
Submitter:	David Karmol	
Requested Action:	New Text	
Proposed Change:	24 CFR 3280.211 Life Safety and Structure Resilience. All manufa units shall comply with the flood safety requirements of <i>Internat for One and Two Family Dwelling Units</i> ©(IRC). Flood resistant construction (R322) with specific requirements for in R322.1.9	ional Residential Code
Reason:	The reason for this section is to mandate that manufactured hom accordance with section R322 of the IRC, including Sec. R322.1.9 requirements for manufactured homes. This section requires ma located in coastal high hazard flood zones to be installed on a for the flood plain elevation, as well as meeting anchor and tie-down compliance with local, state and federal requirements referenced referenced section, which includes provisions addressing manufactured coastal zones, is also a minimum requirement, and should manufactured homes in the same way provisions of Sec. R322 aprin such zones.	which includes specific nufactured housing undation at or above n provisions in d in that section. The actured homes in high d apply to
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit Explanation:	This cost cannot be estimated, as this proposed section is a cost a installation of manufactured housing, and will be entirely depend housing is installed. If the manufactured housing unit is installed zone, there may be some additional cost to elevating the founda requirements of the code, which will be entirely dependent on the should be no additional cost to manufacture the housing unit, as or anchor requirements other than those already required under laws and regulations. If a manufactured housing unit is installed a high hazard flood zone, there would be no cost impact to this pro-	dent on where the in a high hazard flood tion to meet the he individual site. There there are no tie down r local, state or federal anywhere outside of a
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:	,	

Log # 111 - § 3280.2 D	Definitions; 3280.105 Exit Facilities, 3280.205 Fire Blocking Date: 12/31/2014		
Submitter:	Lois Starkey		
Requested Action:	New Text		
Proposed Change:	Revise 24 CFR 3280.2 as follows:		
	"Dwelling Unit" means one or more habitable rooms which are designed to be occupied	l	
	by one family with facilities for living sleeping and eating. A structure designed and		
	constructed for use as a permanent-residence by one or more persons, with facilities for	<u>r</u>	
	sleeping, eating, cooking and sanitation, which constitute an independent living unit.		
	Add to 24 CFR Part 3280.206 Fire Blocking		
	a. General. Manufactured homes designed for one dwelling unit must meet the fire blocking requirements of this section. The integrity of all materials must be maintained. Manufactured Homes designed for more than one dwelling units must meet fire blocking and separation requirements which are comparable to those provided for in the other residential building codes for multifamily housing.		
	Add to 24 CFR Part 328.105; Exit Facilities; exterior doors, add a new subsection:		
	a. <u>General</u> . <u>Manufactured homes designed for one dwelling unit must meet the egress requirements of this section. <u>Manufactured homes designed for multifamily dwellings must meet egress requirements</u> which are comparable to those provided for in other residential building codes for multifamily housing.</u>	0	
	Revise existing subsections (a) to (b) and (b) to (c).		
Reason:	This proposal will provide for the design and construction of manufactured housing for multifamily use. The current regulations are limited to single family design and construction.		
Substantiating	Yes		
Documents:			
Additional Cost:	No		
Cost Benefit	The proposal does not envision additional costs, beyond costs that are already incurred		
Explanation:	in the normal design and construction process. In fact, this proposal could save costs by elimination duplicative design, design approval and certification requirements required by modular building codes and programs.		
Subcommittee			
Recommendation:			
MHCC Action:			
MHCC Modification			
of Proposed			
Change:			
MHCC Reason:			
Current Status:	Received by Secretariat.		
Log History:			

Log # 112 - § 3280.4(b) Incorporation by reference	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	Air_Conditioning, Heating, & Refrigeration Institute (AHRI), 4100-	North Fairfax Drive,
	Suite 200,2111 Wilson Boulevard, Suite 500, Arlington, VA 22203	<u>1</u> , telephone number
	703-524-8800, fax number 703- 528-38165 <u>562-1942</u> , Web	
	site: http://www.lightindustries.com/ARI/www.ahrinet.org.	
Reason:	Reference to ARI within various sections of the document needs	to be modified to "Air-
	Conditioning, Refrigeration, and Heating Institute (AHRI)." AHRI r	
	location in Arlington, VA in 2008, so the address and the contact	
	regulation also needs to be updated. All references to "ARI" with	in the regulation need
	to be updated to "AHRI."	
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 113 - § 3280.4(b)(1) Incorporation by reference	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	(1) ANSI/AHRI Standard 210/240-892008, Unitary Air-Conditioning and & Air-Source	
Reason:	Heat Pump Equipment, IBR approved for §§3280.511(b), 3280.70 Reference to ANSI/ARI Standard 210/240-89 needs to be updated 210/240-2008" in various sections of 24 CFR Part 3280. The lates standards can be downloaded on the following website: http://www.ahrinet.org/site/686/Standards/HVACR-Industry-Standards	d to "ANSI/AHRI t versions of all AHRI
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 114 - § 3280.4(i)	(20) Incorporation by reference	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	ANSI Z21.47- 1990 <u>2012/CSA 2.3-2012</u> with Addendum Z21.47a-19	990 and Z21.47b-1992,
	Gas-Fired Central Furnaces (Except Direct Vent System Central Fufor §3280.703.	urnaces), IBR approved
Reason:	Reference to ANSI Z21.47-1990 needs to be updated to "ANSI Z2 2012." Also, direct vent is now included within the scope of the s details can be accessed here: http://shop.csa.ca/en/canada/gas-commercial-heating-equipment-and-air-conditioning/ansi-z2147/invt/27020082012	tandard. Additional fired-domestic-and-
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 115 - § 3280.4(f	f)(21) Incorporation by reference	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	UL 1995 , 1995 -2011, Heating and Cooling Equipment, Second Edition, with 1999	
	revisions, IBR approved for §3280.703. Any future version of this	standard is acceptable.
Reason:	References to UL 1995 need to be updated from the second edition to "UL 1995-2011."	
	Also, a note needs to be added stating "any future version of this	
	acceptable." The references to standards within 24 CFR Part 3280	=
	frequently enough to keep up with the latest editions of those st	andards. Adding this
	sentence would address the issue in a major way.	
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 116 - § 3280.4(a	a)(2) Incorporation by reference	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	NFPA 54- 2002 2015/ANSI Z223.1-2015, National Fuel Gas Code, II	BR approved for
	§3280.703.	
Reason:	References to National Fuel Gas Code needs to be updated from	the 2002 edition to
	"NFPA 54-2015/ANSI Z223.1-2015"	
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 117 - § 3280.4(a	a)(5) Incorporation by reference	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	NFPA 90B, Warm Air Heating and Air Conditioning Systems, 1996	– <u>2015</u> Edition, IBR
	approved for §3280.703.	
Reason:	References to NFPA 90B need to be updated from the 1996 edition	on to the 2015 edition.
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	·
Log History:		

Log # 118 - § 3280.4 II	ncorporation by reference and 3280.703 Minimum standards	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	New Text	
Proposed Change:	UL 60335-2-40, Safety of Household and Similar Electrical Appliances, Part 2-34:	
	Particular Requirements for Motor-Compressors. Any future version of this standard is	
	acceptable.	
Reason:	A reference to the 2012 edition of the UL 60335-2-40 standard sl	
	section 3280.703 since this standard deals with electrical safety of	
	conditioner and other household products that can be installed i	
	24 CFR Part 3280 should also state that "any future version of th	
	acceptable." The references to standards within 24 CFR Part 328	_
	frequently enough to keep up with the latest editions of those st	andards. Adding this
Colorate at least and	sentence would address the issue in a major way.	
Substantiating	False	
Documents:	Halmania	
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 119 - § 3280.508	B(b) Heat loss, heat gain and cooling load calculations	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	The calculation of the manufactured home's transmission heat lo	ss coefficient (Uo)
	must be in accordance with the fundamental principles of the 19	97 latest edition of the
	ASHRAE Handbook of Fundamentals, Inch-Pound Edition, and, at	· ·
	address all the heat loss or heat gain considerations in a manner	
	calculation procedures provided in the document, Overall U-valu	
	Loads—Manufactured Homes—February 1992-PNL 8006, HUD U	
Reason:	Section 3280.508 and some other sections within the regulation	
	Handbook for data. Reference to the most current version should	d be used.
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		<u>-</u>
Current Status:	Received by Secretariat.	
Log History:		

Log # 120 - § 3280.508	B(b) Heat loss, heat gain and cooling load calculations	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	The calculation of the manufactured home's transmission heat lo	ss coefficient (Uo)
	must be in accordance with <u>ACCA Manual J</u> or the fundamental p	=
	latest edition of ASHRAE Handbook of Fundamentals, Inch-Pound Edition, and, at a	
	minimum, must address all the heat loss or heat gain considerati	
	consistent with the calculation procedures provided in the docur	·
	and Heating/Cooling Loads—Manufactured Homes—February 19	992-PNL 8006, HUD
_	User No. 0005945.	
Reason:	Section 3280.508(b) refers to a HUD document from 1992. The so	
	the 2011 edition of ACCA Manual J which addresses the latest an	d most pertinent load
	calculations for manufactured homes.	
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 121 - § 3280.508	8(d) Heat loss, heat gain and cooling load calculations	Date: 12/31/2014	
Submitter:	Gary Clark		
Requested Action:	Revised Text		
Proposed Change:	(d) High efficiency heating and cooling equipment credit. The calculated transmission heat loss coefficient (Uo) used for meeting the requirement in §3280.506(a) may be adjusted for heating and cooling equipment above that required by the National Appliance Energy Conservation Act of 1987 (NAECA) by applying the following formula:		
	Uo adjusted = Uo standard×[1+(0.6) (heating efficiency increase factor)+(cooling multiplier) (cooling efficiency increase factor)]		
	where:		
	Uo standard = Maximum Uo for Uo Zone required by §3280.506(a	a)	
	Uo adjusted = Maximum Uo standard adjusted for high efficiency	HVAC equipment	
	Heating efficiency increase factor = The increase factor in heating equipment efficiency measured by based on the certified Annual Fuel Utilization Efficiency (AFUE), or the Heating Seasonal Performance Factor (HSPF) for heat pumps, above that required by NAECA (indicated as "NAECA" in formula). The formula is heating efficiency increase factor = AFUE (HSPF) home - AFUE (or HSPF) NAECA divided by AFUE (HSPF) NAECA.		
	Cooling efficiency increase factor = the increase factor in the cool efficiency measured by based on the certified Seasons Ratio (SEER) above that required by NAECA.		
	The formula being cooling equipment=SEER home—SEER NAECA NAECA.	divided by SEER	
Reason:	Section 3280.508(d) mentions that the cooling efficiency increase "cooling equipment efficiency measured" and a similar phrase is efficiency as well. This should be changed to be based upon the countries it is in accordance with the U.S. Department of Energy requirement measurement should not be required/allowed.	s used for heating ertified rating, so that	
Substantiating	False		
Documents:			
Additional Cost:	Unknown		
Cost Benefit	Unknown		
Explanation:			
Subcommittee			
Recommendation:			
MHCC Modification			
MHCC Modification of Proposed			
Change:			
MHCC Reason:			
Current Status:	Received by Secretariat.		
Log History:			
Log mistory.			

Log # 122 - § 3280.51	1(a)(1) Comfort cooling certificate and information Date: 12/31/2014		
Submitter:	Gary Clark		
Requested Action:	Revised Text		
Proposed Change:	(1) Alternative I. If a central air conditioning system is provided by the home manufacturer, the heat gain calculation necessary to properly size the air conditioning equipment shall be in accordance with procedures outlined in the 2011 edition of ACCA Manual J, or chapter 22 of the 1989 latest edition of the ASHRAE Handbook of Fundamentals, with an assumed location and orientation. The following shall be supplied in the Comfort Cooling Certificate:		
	Air Conditioner Manufacturer Air Conditioner Model		
	Certified Capacity BTU/Hr. in accordance with the appropriate Air Conditioning and Refrigeration Institute Standards		
	The central air conditioning system provided with this home has been sized, assuming an orientation of the front (hitch) end of the home facing and is designed on the basis of a 75 °F indoor temperature and an outdoor temperature of _ °F dry bulb and _ °F wet bulb.		
	Example Alternate I COMFORT COOLING CERTIFICATE Manufactured Home Mfg		
	Manufactured Home Mfg Plant Location Manufactured Home Model		
	Air Conditioner Manufacturer		
	Certified Capacity BTU/Hr. in accordance with the appropriate Air Conditioning and Refrigeration Institute Standards.		
	The central air conditioning system provided with this home has been sized assuming an orientation of the front (hitch end) of the home facing On this basis, the system is designed to maintain an indoor temperature of 75 °F when outdoor temperatures are _ °F dry bulb and _ °F wet bulb.		
	The temperature to which this home can be cooled will change depending upon the amount of exposure of the windows to the sun's radiant heat. Therefore, the home's heat gains will vary dependent upon its orientation to the sun and any permanent shading provided. Information concerning the calculation of cooling loads at various locations, window exposures and shadings are provided in the 2011 edition of ACCA Manual J , or chapter 22 of the 1989 the latest edition of the ASHRAE Handbook of		
Reason:	Fundamentals. Section 3280.511 refers to chapter 22 of ASHRAE 1989 Fundamentals for heat gain. The section should refer to the 2011 edition of ACCA Manual J which addresses load calculations for manufactured homes, or at a minimum the latest version of the ASHRAE fundamentals. The reference to the 1989 edition is located in several sections of 24 CFR part 3280 and needs to be revised.		
Substantiating	False		
Documents:			
Additional Cost:	Unknown		
Cost Benefit	Unknown		
Explanation:			
Subcommittee			
Recommendation:			
	16		

MHCC Action:	
MHCC Modification	
of Proposed	
Change:	
MHCC Reason:	
Current Status:	Received by Secretariat.
Log History:	

Log # 123 - § 3280.513	1(a)(2) Comfort cooling certificate and information Date Date Date Date Date Date Date Date	ate: 12/31/2014		
Submitter:	Gary Clark			
Requested Action:	New Text			
Proposed Change:	Alternative 2. For each home suitable for a central air cooling system, the manufacturer shall provide the following statement: "This air distribution system of this home is suitable for the installation of a central air conditioning system."			
	Example Alternate 2 COMFORT COOLING CERTIFICATE Manufactured Home Manufacturer Plant Location Manufactured Home Model			
	This air distribution system of this home is suitable for the installation of cent air conditioning.			
	The supply air distribution system installed in this home is sized for Manufactured Home Central Air Conditioning System of up to B.T.U./Hr. rated capacity which are certified in accordance with the appropriate Air Conditioning and Refrigeration Institute Standards. When the air circulators of such air conditioners are rated at 0.3 inch water column static pressure or greater for the cooling air delivered to the manufactured home supply air duct system.			
	Information necessary to calculate cooling loads at various local orientations is provided in the special comfort cooling information per manufactured home.			
Reason:	The "Comfort Cooling Certificate" refers to static of 0.3 in.w.c for a g Instead, the certificate should refer to static at a nominal airflow in 0 should discuss this section further and consider implementing change	CFM. The MHCC		
Substantiating Documents:	False			
Additional Cost:	Unknown			
Cost Benefit	Unknown			
Explanation:				
Cb				
Subcommittee Recommendation:				
MHCC Action:				
MHCC Modification				
of Proposed				
Change:				
MHCC Reason:				
Current Status:	Received by Secretariat.			
Log History:				

Log # 124 - § 3280.714	4(a)(1)(ii) Appliances, cooling	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	(ii) Heat pumps must be certified to comply with all requirements. Standard 210/240-892008, Unitary Air Conditioning and & Air-So Equipment. Electric motor-driven vapor compression heat pumps electrical resistance heat must be sized to provide by compression the calculated annual heating requirements for the manufacture control must be provided and set to prevent operation of supple resistance heat at outdoor temperatures above 40 °F (4 °C), exce conditions. (Variable speed and two speed systems can typically requirements.) Electric motor-driven vapor compression heat pure electric resistance heat conforming to ANSI/AHRI Standard 210/2 Conditioning and & Air-Source Heat Pump Equipment, must have Performance Factor (HSPF) efficiencies not less than as specified Energy Conservation Program for Consumer Products: Central Air Pumps Energy Conservation Standards.	urce Heat Pump s with supplemental on at least 60 percent of d home being served. A mental electrical pt for defrost meet such mps with supplemental 240-892008, Unitary Air e Heating Season in the 10 CFR Part 430,
Reason:	Section 3280.714(a)(1)(ii) should explicitly note that the compress requirements specified within the section can be met by variable systems.	
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		

Log # 125 - § 3280.714	4(a)(1)(iii) Appliances, cooling		Date: 12/31/2014
Submitter:	Gary Clark		
Requested Action:	Deleted Text		
Proposed Change:	Electric motor-driven vapor compression heat pumps with supplemental electric resistance heat conforming to ARI Standard 210/240-89 Unitary Air-Conditioning and Air-Source Heat Pump Equipment shall show coefficient of performance ratios not less than shown below:		
	COP		
	Temperature degrees fahrenheit	Coefficient of	performance
	47		2.5
	17		1.7
	θ		1.0
Reason:	The minimum COP requirement at various temperatures must be removed due to conflict with federal preemption laws. The COP requirements go beyond the federal HSPF requirements and must not be specified in the regulation. The regulation, as currently written, is a violation of Federal law and needs to be revised with immediate effect.		
Substantiating	False		
Documents:			
Additional Cost:	Unknown		
Cost Benefit	Unknown		
Explanation:			
Subcommittee			
Recommendation:			
MHCC Action:			
MHCC Modification			
of Proposed			
Change:			
MHCC Reason:			
Current Status:	Received by Secretariat.		
Log History:			

Log # 126 - § 3280.71	5(a)(3)(ii) Circulating air systems	Date: 12/31/2014
Submitter:	Gary Clark	
Requested Action:	Revised Text	
Proposed Change:	The refrigerated air cooling supply duct system including register handling at least 300 cfm per 10,000 btuh 360 CFM/ton with a st than 0.3 inches of water when measured at room temperature. I application of external self contained comfort cooling appliances combination heating/cooling appliances, either the external duct appliance and the manufactured home supply system shall be co shall comply with the requirements for the refrigerated air coolir or the connecting duct between the external appliance and the n system shall be a part of the listed appliance. The minimum dimeduct shall be at least 11/2 inches, and of any main duct, 21/2 inches	atic pressure no greater n the case of or the cooling mode of as between the nsidered part of, and ng supply duct system, nobile supply duct ension of any branch
Reason:	Instead of specifying 300 CFM per 10,000 Btu/h, the requirement should mention 360 CFM/ton, especially since this requirement pertains to just the supply duct. Such a revision would make the section consistent with standard industry practice.	
Substantiating	False	
Documents:		
Additional Cost:	Unknown	
Cost Benefit	Unknown	
Explanation:		
Subcommittee		
Recommendation:		
MHCC Action:		
MHCC Modification		
of Proposed		
Change:		
MHCC Reason:		
Current Status:	Received by Secretariat.	
Log History:		