4/22/2015

IRC -Mech Reviewing Subcommittee Recommendations to RAC Form

	I-Code Sub Committee	Amendment to ICC 2012 No.	Processed Date	Pertains to:	Recommendation to RAC	Vote		Statue Reviewing Criteria			Comment			ICC Code Section
								(Applicable? Y or N)						
					Y or N	For	Against	Health Safety Welfare	Econ & Financial Impact	Tech Feasibility Y or N	HSW	Econ	Tech Feasibility	
1	**IRC - Mech**	**RM2-13**	4/17/2015	Appliances shall be accessible for inspection, service, repair and	**YES**	**3**		Y	Y	Y				**M1411.3.2**
2	**IRC - Mech**	**RM3-13**	4/17/2015	Exposed lamps shall be protected from damage by location or lamp guards	**YES**	**3**		Y	Y	Y				**M2103.1**
3	**IRC - Mech**	**RM4-13**	4/17/2015	Exposed lamps shall be protected from damage by location or lamp guards	**YES**	**3**		Y	Y	Y				**M2103.3**
4	**IRC - Mech**	**RM5-13**	4/17/2015	Reduction of clearances shall be in accordance with the appliance manufacturer's instructions and Table M1306.2	**YES**	**3**		Y	N	Y				**M1306.2 1306.2.1, 1306.2.2**
5	**IRC - Mech**	**RM6-13**	4/17/2015	Anchorage of appliances:Condensed seismic bracing to one location in the Code. This code section does not apply to PA because of the seismic areas	**YES**	**4**		N	N	Y				**M1502.4.5**
6	**IRC - Mech**	**RM7-13**	4/17/2015	Anchorage of appliances: Condensed seismic bracing to one location in the Code. This code section does not apply to PA because of the seismic areas	**YES**	**4**		N	N	Y				**M1602**
7	**IRC - Mech**	**RM9-13**	4/17/2015	Equipment/appliance Sizing. Heating and cooling equipment and appliances shall be sized in accordance with ACCA Manual S or J	**YES**	**3**		Y	N	Y				**M2301.6**
8	**IRC - Mech**	**RM11-13**	4/17/2015	Heat Pump Equipment: Eliminates outdated Legacy Code Language	**YES**	**4**		N	N	Y				**M1403.1**
9	**IRC - Mech**	**RM12-13**	4/17/2015	Heat Pump Equipment: Eliminates outdated Legacy Code Language	**YES**	**4**		N	N	Y				**M1403.1**
10	**IRC - Mech**	**RM13-13**	4/17/2015	Heat Pump Equipment: Add UL/CSA/ANCE 60335-2-40 as referenced standard	**YES**	**4**		N	N	Y				**1403.1**
11	**IRC - Mech**	**RM14-13**	4/17/2015	Deletes requirements for support for heat pump units because it is covered in M1305.1.4.1	**YES**	**3**		N	N	Y				
12	**IRC - Mech**	**RM15-13**	4/17/2015	Adds testing standard for pellet-fuel burning	**YES**	**3**		Y	N	Y				

13	**IRC - Mech**	**RM16-13**	4/17/2015	Floor Mounting of room heaters: Added references to standard ASTME 1618	**YES**	**4**		Y	N	Y	Improves safety			**M1403.2**
14	**IRC - Mech**	**RM19-13**	4/17/2015	Drain Pipe materials and sizes: Deletes PM adds Polyethylene and Polypropylene and Alphabetized materials	**YES**	**4**		N	Y	Y		May reduce construction cost		**M1410.1**
15	**IRC - Mech**	**RM 20-13**	4/17/2015	Clarify that 3/4" is minimum size of condensate pipe	**YES**	**4**		Y	N	Y	Reduces probabilitiy of condensate overflow			**M1307.2**
16	**IRC - Mech**	**RM21-13**	4/17/2015	Condensate drain lines shall be configured to permit the clearing of blockages and performance of maintenance without requiring the drain line to be cut	**YES**	**3**		Y	Y	Y				**M1410.2**
17	**IRC - Mech**	**RM22-13**	4/17/2015	Condensate pumps located in uninhabitable spaces, such as attics and crawl spaces, shall be	**YES**	**3**		Y	Y	Y				
18	**IRC - Mech**	**RM23-13**	4/17/2015	Refrigerant piping installed within 3" of underside of roof decks shall be	**YES**	**3**		Y	Y	Y				**M1413.1**
19	**IRC - Mech**	**RM25-13**	4/17/2015	Absorption systems shall comply with Mfg instructions ad UL1995 or UL/CSA/ANCE 60335-2-40	**YES**	**3**		Y	Y	Y				**M2101.1 (Table)**
20	**IRC - Mech**	**RM26-13**	4/17/2015	Evaporative cooling devices:Adds UL/CSA/ANCE 60335-2-40-2012	**YES**	**4**		Y	N	Y				**M2101.1, 2101.10,2104,2105,2106-2110**
21	**IRC - Mech**	**RM27-13**	4/17/2015	Air transferred from occupiable spaces other than kitchens and bathrooms shall not be prohibited from serving as makeup air	**YES**	**3**		Y	Y	Y	Improves safety			**M2101.1,2104.2.1-2104.2.1.3, 2101.10,2105,2106,2107,2108,2110,**
22	**IRC - Mech**	**RM29-13**	4/17/2015	Dryer Exhaust in excess of 35' must be marked as to the length	**YES**	**3**		Y	N	Y				**M2101.9**
23	**IRC - Mech**	**RM30-13**	4/17/2015	Eliminates the word "single wall" as duct material	**YES**	**3**		N	N	Y		removes unnecessary language from code		**M2101.9**
24	**IRC - Mech**	**RM34-13**	4/17/2015	Requires makeup air for exhaust hoods in excess of 400 cubic feet per minute	**YES**	**3**		Y	Y	Y				**M2103.3**
25	**IRC - Mech**	**RM36-13**	4/17/2015	Adds new chart for duct length	**YES**	**3**		Y	N	Y				**M2103.3**
26	**IRC - Mech**	**RM46-13**	4/17/2015	Revises criteria for Above-ground duct systems	**YES**	**3**		Y	Y	Y				**M2104.2, M2104.3**
27	**IRC - Mech**	**RM47-13**	4/17/2015	Revises table M1601.1.1(2) Duct construction minimum thickness	**YES**	**3**		Y	Y	Y				**M1305.1**
28	**IRC - Mech**	**RM48-13**	4/17/2015	Revises criteria for Above-ground duct systems to be in conformance with IMC	**YES**	**3**		Y	Y	Y	Consistancy between codes is benificial			**M1306.2.2**
29	**IRC - Mech**	**RM51-13**	4/17/2015	Duct insulation materials and marking of such materials	**YES**	**3**		Y	N	Y				**M1305.1.4.3**
30	**IRC - Mech**	**RM52-13**	4/17/2015	Requires that tapes and mastics shall be lableled in accordance with UL 181A	**YES**	**3**		Y	Y	Y				**M1403.1**

31	**IRC - Mech**	**RM53-13**	4/17/2015	Does not required additional closure systems for certain types of mechanial duct joints	**YES**	**3**		N	Y	Y		May reduce construction costs.		
32	**IRC - Mech**	**RM55-13**	4/17/2015	Specifies the direction of the lap relative to airflow on round and oval metal ducts	**YES**	**3**		Y	N	Y				**M1411.3.3**
33	**IRC - Mech**	**RM56-13**	4/17/2015	Removes spacing requirements for metal duct support and replaces it with a reference to SMACNA HVAC Duct Construction Standards- Metal and Flexible	**YES**	**3**		Y	Y	Y				**M1411.4**
34	**IRC - Mech**	**RM57-13**	4/17/2015	Replaces language found in the old Legacy codes with updated language that simplifies the code concerning return air	**YES**	**3**		N	N	Y				**M1411.6**
35	**IRC - Mech**	**RM59-13**	4/17/2015	Requires that doors cannot swing within 12 inches horizontally of vent terminals	**YES**	**3**		Y	Y	Y				**M1412.1**
36	**IRC - Mech**	**RM61-13**	4/17/2015	Deletes prohibition of the placement of commercial cooking appliances in residential occupancies	**YES**	**3**		Y	N	Y				**M1501.2**
37	**IRC - Mech**	**RM62-13**	4/17/2015	Changes code to reflect changes made to the IMC in reference to packaged oil and electric boilers	**YES**	**3**		Y	N	Y				**M1503.1, M1503.2**
38	**IRC -Mech**	**RM63-13**	4/17/2015	Adds an exception that coil-type hot water boilers do not have to have a low-water cutoff	**YES**	**3**		Y	N	Y				**M1503.4**
39	**IRC-Mech**	**RM64-13**	4/17/2015	Water heaters must comply with Chapter 28	**YES**	**3**		Y	Y	Y				**M1506, M1507**
40	**IRC - Mech**	**RM65-13**	4/17/2015	Hydronic Piping Materials: Adds (ABS) to Hydronic Piping Materials and adds ASTM standards for use as such	**YES**	**4**		N	Y	Y		May reduce construction cost		**M1601.1.1 TableM1601.1 (1), M1601.2**
41	**IRC - Mech**	**RM66-13**	4/17/2015	Hydronic Piping Materials: Revised code language to be consistent with 2015 IMC	**YES**	**4**		Y	N	Y	Consistancy between codes is benificial			**M1601.1.1(2) Table**
42	**IRC - Mech**	**RM67-13**	4/17/2015	Hydronic Piping Materials: Revised code language to be consistent with 2015 IMC	**YES**	**4**		Y	N	Y	Consistancy between codes is benificial			**M1601.1.1**
43	**IRC - Mech**	**RM68-13**	4/17/2015	Hanger Spacing for PE-RT: Revised code language to be consistent with 2015 IMC	**YES**	**4**		Y	N	Y	Consistancy between codes is benificial			**M1601.3**
44	**IRC - Mech**	**RM69-13**	4/17/2015	Hanger Spacing: Revised code language to be consistent with 2015 IMC	**YES**	**4**		Y	N	Y	Consistancy between codes is benificial			**M1601.4.1**
45	**IRC - Mech**	**RM70-13**	4/17/2015	Piping materials: Adds "and copper alloy piping and tubing" to allowable piping form embedment in concrete or gypsum	**YES**	**4**		N	Y	Y		May reduce construction cost		**M1601.4.2**

46	**IRC - Mech**	**RM71-13**	4/17/2015	Piping materials: Adds" polyethylene of raised temperature PE-RT to allowable piping for embedment in concrete or gypsum	**YES**	**4**		N	Y	Y		May reduce construction cost		**M1601.4.3**
47	**IRC - Mech**	**RM72-13**	4/17/2015	Piping Joints: Adds ASTM B813 as a referenced standard for hydronic systems	**YES**	**4**		N	N	Y				**M1804.4**
48	**IRC - Mech**	**RM73-13**	4/17/2015	Piping Joints: Revised Code to include provisions for PE-RT	**YES**	**4**		N	N	Y				**M1901.3**
49	**IRC - Mech**	**RM74-13**	4/17/2015	Piping Joints: Revised code language to be consistent with 2015 IMC	**YES**	**4**		Y	N	Y	Consistancy between codes is benificial			**M2001.1**
50	**IRC - Mech**	**RM75-13**	4/17/2015	Piping Joints: Adds Polyethylene and PE-RT to code to assure that Mfg. instruction are adhered to	**YES**	**4**		Y	N	Y				**M2002.5 M2002.6**
51	**IRC-Mech**	**RM76-13**	4/17/2015	Added "copper alloys pipe" to code section	**YES**	**3**		N	Y	Y				**m2005.1**
52	**IRC-Mech**	**RM77-13**	4/17/2015	Added language requiring Solar collectors and panels shall comply with Sections M2301.2.2.1 and M2301.2.2.2.	**YES**	**3**		Y	Y	Y				**M2202.1**
53	**IRC-Mech**	**RM79-13**	4/17/2015	Changes requirements for thermal systems	**YES**	**3**		Y	Y	Y				**M2301.2.2 2301.2.2.2**
54	**IRC-Mech**	**RM82-13**	4/17/2015	Requires pressure relief valves on solar systems	**YES**	**3**		Y	Y	Y				
55	**IRC-Mech**	**RM84-13**	4/17/2015	Requires solar heating piping to be insulated as per Chapter 11	**YES**	**3**		Y	Y	Y				**M2301.2.5**
56	**IRC-Mech**	**RM85-13**	4/17/2015	Adds language to require Solar collectors and panels shall comply with Sections M2301.2.2.1 and M2301.2.2.2.	**YES**	**3**		Y	Y	Y				**M2301.2.6**
57	**IRC-Mech**	**RM86-13**	4/17/2015	Adds new language that storage tank sensors to comply to SRCC300	**YES**	**3**		Y	Y	Y				**M2301.2.6**
58	**IRC-Mech**	**RM87-13**	4/17/2015	Requires mixing valves and isolation valves on solar thermal systems that discharge water to distribution system	**YES**	**3**		Y	Y	Y				**M2301.2.6 M2301.2.7**
59	**IRC-Mech**	**RM88-13**	4/17/2015	Requires description and warning lables on solar thermal systems and drain and fill valve lables and caps. Gives requirements for solar loops.	**YES**	**3**		Y	Y	Y				**M2301.8, M2301.2.9, M2301.9.1, M2301.2.9.2**

60	**IRC-Mech**	**RM89-13**	4/17/2015	**Requires solar thermal collectors to be listed and labeled in accordance with SRCC 100 or SRCC 600**	**NO**	**1**	**2**	**Y**	**Y**	**Y**		**Requiring solar collectors to be listed, in effect prevents persons from building their own collectors. A solar collector that may be 80-90% the efficiency of a Listed Collector may only cost between 10-15% of a listed collector. The requirement that the collector be listed significantly increases the construction cost without a corresponding increase in efficiency.**		**M2301.3.1**
61	**IRC-Mech**	**RM90-13**	4/17/2015	Adds SRCC 300 as standard for solar water heating systems	**YES**	**3**		Y	Y	Y				**M2301.4**
62	**IRC-Mech**	**RM91-13**	4/17/2015	Solar heat transfer fluids flashpoint shall not be less than 50 F above the stagnation temperature in the collector.	**YES**	**3**		Y	N	y				
63	**IRC-Mech**	**RM92-13**	4/17/2015	Places a requirement that air provided to a occupied space by a thermal mass storage system shall be filtered	**YES**	**3**		Y	Y	Y				**M2301.6, M2301.6.1,M2301.6.2, P2902.5.5**
64	**IRC-Mech**	**RM93-13**	4/17/2015	Requires solar systems to be in compliance with M2301.6.1, M2301.6.2 and P2902.5.2	**YES**	**3**		Y	Y	Y				**M2302**
65	**IRC-Mech**	**RM96-13**	4/17/2015	References Accessiblility requirements	**YES**	**3**		NA	NA	NA				
66	**IRC - Mech**	**RM97-13**	4/17/2015	Solare Equipment and equipment sizing: Eliminates outdated Legacy Code Language and now allows sizing to current practices	**YES**	**4**		N	N	Y				**M1502.4.4,**
67	**IRC-Mech**	**RM98-13 Part 1**	4/17/2015	Consolidates and organizes provisions for solar energy systems	**YES**	**3**		N	N	Y				**M1411.3**
68	**IRC-Mech**	**RM98-13 Part 2**	4/17/2015	Consolidates and organizes provisions for solar energy systems	**YES**	**3**		N	N	Y				**M1411.3**
69	**IRC-Mech**	**RM99-13**	4/17/2015	Adds new requirements for refrigeration line sets. The IRC presently does not have any requirements for these	**YES**	**3**		Y	Y	Y				**M1502.4.4, M1502.4.4.3**
70	**IRC-Mech**	**RM100-13**	4/17/2015	Maximum length of power exhaust is to be determined in accordance with mfg. instructions	**YES**	**3**		Y	Y	Y				**M1308.1**
71	**IRC-Mech**	**RM101-13**	4/17/2015	Dryer exhaust power ventilators must conform to UL705. This	**YES**	**3**		Y	Y	Y				**M1401.3**