

IMC



2016 GROUP B COMMITTEE ACTION HEARINGS

APRIL 17, 2016 – APRIL 27, 2016
KENTUCKY INTERNATIONAL
CONVENTION CENTER
LOUISVILLE, KY

First Printing

Publication Date: March 2016

Copyright © 2016

By

International Code Council, Inc.

ALL RIGHTS RESERVED. This 2015-2017 Code Development Cycle, Group B (2016) Proposed Changes to the 2015 *International Codes* is a copyrighted work owned by the International Code Council, Inc. Without advanced written permission from the copyright owner, no part of this book may be reproduced, distributed, or transmitted in any form or by any means, including, without limitations, electronic, optical or mechanical means (by way of example and not limitation, photocopying, or recording by or in an information storage retrieval system). For information on permission to copy material exceeding fair use, please contact: Publications, 4051 West Flossmoor Road, Country Club Hills, IL 60478 (Phone 1-888-422-7233).

Trademarks: "International Code Council," the "International Code Council" logo are trademarks of the International Code Council, Inc.

PRINTED IN THE U.S.A.

TENTATIVE ORDER OF DISCUSSION 2016 PROPOSED CHANGES TO THE INTERNATIONAL FIRE CODE

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some F code change proposals may not be included on this list, as they are being heard by another committee.

NUMBER NOT USED

F129-16

WUIC1-16	F21-16	F51-16	F81-16
WUIC2-16	F23-16	F52-16	F82-16
WUIC3-16	F24-16	F53-16	F83-16
WUIC4-16	F25-16	F54-16	F84-16 Part I
WUIC5-16	F22-16	F55-16	F85-16 Part I
WUIC6-16	F186-16	F56-16	F86-16 Part I
WUIC7-16	S25-16 Part II	F57-16	F87-16 Part I
WUIC8-16	F26-16	F58-16	F88-16 Part I
WUIC9-16	F27-16	F59-16	F89-16 Part I
PM1-16	F28-16	F60-16	F90-16
PM2-16	F29-16	F61-16	F91-16
PM3-16	F30-16	F62-16	F92-16
PM4-16	F31-16	F63-16	F93-16
PM5-16	F32-16	F64-16	F94-16
PM6-16	F33-16	F65-16	G38-16
PM7-16	F4-16	F66-16	F95-16
ADM79-16	F34-16	F67-16	F96-16
F1-16	F35-16	F68-16	F97-16
F12-16	F351-16	F69-16	F98-16
F5-16	F404-16	F70-16	M1-16
F6-16	F36-16	F71-16	F99-16
F7-16	F37-16	F72-16	F100-16
F8-16	F38-16	F73-16	F101-16
F9-16	F39-16	F74-16	F102-16
F10-16	F40-16	G36-16	F103-16
F11-16	F41-16	G37-16	F104-16
F13-16	F42-16	F76-16	F111-16
F14-16	F43-16	F77-16	F112-16
F15-16	F44-16	G35-16	F256-16
F16-16	F45-16	F78-16	F105-16
F17-16	F46-16	F79-16	F106-16
F18-16	F47-16	G27-16	F107-16
F19-16	F49-16	G28-16	F108-16
F20-16	F50-16	F80-16	F109-16

F110-16	F166-16	F221-16	F274-16
F113-16	F167-16	F3-16 Part I	F275-16
F114-16	F168-16	F222-16	F276-16
F115-16	F169-16	F223-16	F277-16
F116-16	F170-16	F224-16	F278-16
F117-16	F171-16	F225-16	F279-16
F118-16	F172-16	F227-16	F280-16
F119-16	F173-16	F228-16	F281-16
F120-16	F174-16	E1-16	F282-16
F121-16	F175-16	F229-16	F283-16
F122-16	F176-16	F230-16	F284-16
F123-16	F177-16	F231-16	F285-16
F124-16	F178-16	F232-16	F286-16
F125-16	F179-16	F233-16	F287-16
F126-16	F180-16	F234-16	F288-16
F127-16	F181-16	F235-16	F289-16
F128-16	F182-16	F236-16	F290-16
F129-16	F184-16	F237-16	F291-16
FS1-16	F185-16	F238-16	F292-16
F130-16	F187-16	F239-16	F293-16
F131-16	F188-16	F240-16	F294-16
F132-16	F183-16	F241-16	F295-16
F133-16	F189-16	F242-16	F296-16
F134-16	F190-16	F243-16	F297-16
F135-16	F191-16 Part I	F244-16	F298-16
F136-16	F191-16 Part II	F245-16	F299-16
F137-16	F192-16	F246-16	F300-16
F138-16	F193-16	F247-16	F301-16
F139-16	F194-16	F248-16	F302-16
F140-16	F195-16	F249-16	F303-16
F141-16	F196-16	F250-16	F304-16
F142-16	F197-16	F251-16	F305-16
F143-16	F198-16	F252-16	F306-16
F144-16	F199-16	F253-16	F307-16
F145-16	F200-16	F254-16	F308-16
F146-16	F201-16	F255-16	F309-16
F147-16	F202-16	G30-16	F310-16
F148-16	F203-16	G31-16	F409-16
F149-16	F204-16	F257-16	F410-16
FS2-16	F205-16	F258-16	F311-16
F150-16	F206-16	F259-16	F312-16
F151-16	F207-16	F2-16	F313-16
F152-16	F208-16	F260-16	F314-16
F153-16	F209-16	F261-16	F315-16
F154-16	F210-16	F262-16	F316-16
F155-16	F211-16	F263-16	F317-16
F156-16	F212-16	F264-16	F318-16
F157-16	F213-16	F265-16	F319-16
F158-16	F214-16	F266-16	F320-16
F159-16	F215-16	F267-16	F321-16
F160-16	G16-16	F268-16	F322-16
F161-16	F216-16	F269-16	F323-16
F162-16	F217-16 Part I	F270-16	F324-16
F163-16	F218-16	F271-16	F325-16
F164-16	F219-16	F272-16	F326-16
F165-16	F220-16	F273-16	F327-16

F328-16	F381-16
F329-16	F382-16
F330-16	F383-16
F331-16	F384-16
F332-16	F385-16
F333-16	F386-16
F334-16	F412-16
F335-16	F387-16
F336-16	F388-16
F337-16	F389-16
F338-16	F390-16
F339-16	F391-16
F340-16	F392-16
F341-16	F393-16
F411-16	F394-16
G26-16	F395-16
F342-16	F396-16
F343-16	F397-16
F344-16	F398-16
F345-16	F399-16
F346-16	F400-16
F347-16	F401-16
F348-16	F402-16
F349-16	F403-16
F350-16	F405-16
F352-16	F406-16
F353-16	F407-16
F354-16	F408-16
F355-16	
F356-16	
F357-16	
F358-16	
F359-16	
F360-16	
F361-16	
F362-16	
F363-16	
F364-16	
F365-16	
F366-16	
F367-16	
F368-16	
F75-16	
F226-16	
F369-16	
F370-16	
F371-16	
F372-16	
F373-16	
F374-16	
F375-16	
F376-16	
F377-16	
F378-16	
F379-16	
F380-16	

M1-16

IMC: [F] 502.4, [F] 502.4.1, [F] 502.4.2, [F] 502.4.3, [F] 502.5, [F] 502.5.1, [F] 502.5.2, [F] 502.5.3.

Proponent : Jeffrey Betz, AT&T Corp. (jbetz@att.com)

2015 International Mechanical Code

Revise as follows:

~~[F] 502.4 Stationary storage battery systems. Stationary storage battery systems, as shall be regulated by and ventilated in accordance with Section 608 of the *International Fire Code*, shall be provided with ventilation in accordance with and the general requirements of this chapter and Section 502.4.1 or 502.4.2.~~

~~**Exception:** Lithium-ion and lithium-metal polymer batteries shall not require additional ventilation beyond that which would normally be required for human occupancy of the space.~~

Delete without substitution:

~~[F] 502.4.1 Hydrogen limit in rooms. For flooded lead acid, flooded nickel-cadmium and VRLA batteries, the ventilation system shall be designed to limit the maximum concentration of hydrogen to 1.0 percent of the total volume of the room.~~

~~[F] 502.4.2 Ventilation rate in rooms. Continuous ventilation shall be provided at a rate of not less than 1 cubic foot per minute per square foot (cfm/ft²) [0.00508 m³/(s • m²)] of floor area of the room.~~

~~[F] 502.4.3 Supervision. Mechanical ventilation systems required by Section 502.4 shall be supervised by an approved central, proprietary or remote station service or shall initiate an audible and visual signal at a constantly attended on-site location.~~

~~[F] 502.5 Valve-regulated lead-acid batteries in cabinets. Valve-regulated lead acid (VRLA) batteries installed in cabinets, as regulated by Section 608.6.2 of the *International Fire Code*, shall be provided with ventilation in accordance with Section 502.5.1 or 502.5.2.~~

~~[F] 502.5.1 Hydrogen limit in cabinets. The cabinet ventilation system shall be designed to limit the maximum concentration of hydrogen to 1.0 percent of the total volume of the cabinet during the worst case event of simultaneous boost charging of all batteries in the cabinet.~~

~~[F] 502.5.2 Ventilation rate in cabinets. Continuous cabinet ventilation shall be provided at a rate of not less than 1 cubic foot per minute per square foot (cfm/ft²) [0.00508 m³/(s • m²)] of the floor area covered by the cabinet. The room in which the cabinet is installed shall be ventilated as required by Section 502.4.1 or 502.4.2.~~

~~[F] 502.5.3 Supervision. Mechanical ventilation systems required by Section 502.5 shall be supervised by an approved central, proprietary or remote station service or shall initiate an audible and visual signal at a constantly attended on-site location.~~

Reason: The requirements for the design and operation of Stationary Storage Battery Systems is contained within the various topic sub-sections of the International Fire Code Section 608. By directly referencing these sections of the International Fire Code all currently proposed and future code change proposals will be reflected in one place and thus the scope, types of batteries, and all considerations for this space including ventilation are easily located and uniformly addressed. The current language of the codes are different yet the requirements are the same. This will also provide one Code Commentary in one code rather than two differing commentaries possibly by different authors.

Cost Impact: Will not increase the cost of construction

Cost saving will be attained in research hours and uniformity for code compliance by designers, installers, manufacturers, operators and the code enforcement community.

M1-16 : [F] 502.4-BETZ13315