



GENERAL ORDER

GENERAL ORDER 330.06

ZMac™ Haz Mat First Responder Card

Emergency Services Bureau

Issue Date: 03/05/14

Revision Date:

1 APPLICABILITY

2 All Personnel

3 POLICY

4 The ZMac™ Haz Mat First Responder Card was developed to address a recognized shortcoming between
5 the Emergency Response Guidebook (ERG) and detection equipment, in order to assist the first
6 responder. The ZMac Haz Mat First Responder Card will be coupled with every ERG that has the potential
7 to be used by trained personnel.

8 DEFINITIONS

- 9 ➤ **Emergency Response Guidebook (ERG)** - a first responder guidebook developed jointly by the
10 U.S. Department of Transportation, Transport Canada, and the Secretariat of Communications and
11 Transportation of Mexico (SCT) for use by fire fighters, police, and other emergency services
12 personnel who may be the first to arrive at the scene of a transportation incident involving
13 hazardous materials.
- 14 ➤ **Zmac Haz Mat First Responder Card** – a card for use by first responders that provides hazard
15 detection and isolation information, further referred to as “the card”.

16 PROCEDURES

17 IMPLEMENTATION PLAN

18 Emergency Services Bureau operational apparatus will be outfitted by the following process:

- 19 • Upon initial disbursement, each station will be visited by Special Operations personnel. During
20 these visits, the ERG’s that are on the apparatus will be retrofitted with a protective cover. The
21 card will be placed in this protective cover and be ready for service. The following represents the
22 allocation of cards for each station:
- 23 ○ Station 1 (12)
 - 24 ○ Station 2 (12)
 - 25 ○ Station 3 (15)
 - 26 ○ Station 4 (12)
 - 27 ○ Station 5 (13)
 - 28 ○ Station 6 (12)
 - 29 ○ Station 7 (5)
 - 30 ○ Station 8 (9)



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- 31 ○ Station 9 (7)
- 32 ○ Station 10 (9)
- 33 ○ Station 11 (7)
- 34 ○ Station 13 (5)

35

36 Additional cards may be requested by Company Captains or Volunteer Chiefs. Requests should be
37 directed through the supply unit using a Uniform – Protective Equipment Requisition/Receipt. These
38 requests are only to address vehicles that were missed on the initial allocation referenced above.

39

40 Staff vehicles (all Bureaus) will be outfitted by the following process:

- 41 ● Bureau Chiefs should ensure that vehicles currently equipped with an ERG under their command
42 visit Station 10 on a C shift to have their ERG retrofitted. Please call ahead, to ensure daily
43 activities are conducive to accomplishing the retrofit.

44

45 SUSTAINMENT PLAN

46 All personnel that are in need of a replacement card should complete a Uniform – Protective Equipment
47 Requisition/Receipt, submit it to Supply Unit, and if during normal Supply Unit operating hours, make
48 arrangements to obtain the replacement card.

49

50 In the event the Supply Unit is not open, Battalion Chiefs (BC) will have a limited supply of extra cards to
51 ensure that coverage is maintained, when one is used off-hour times.

- 52 ● In the event a card is lost or damaged, a County Property Loss/Damage Report shall be completed
53 by the individual and approved by their supervisor, and a replacement card will be obtained as
54 outlined above. This aspect is vital to the success of the implementation, as the Supply Unit
55 determines appropriate reserve levels.

56

57 REFERENCES

58 Emergency Response Guidebook

59 SUMMARY OF DOCUMENT CHANGES

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61 FORMS/ATTACHMENTS

62 Attachment A - ZMac™ Card Specification Sheet

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68 APPROVED

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A handwritten signature in black ink that reads "John S. Butler".

70

71

Deputy Chief John S. Butler

72

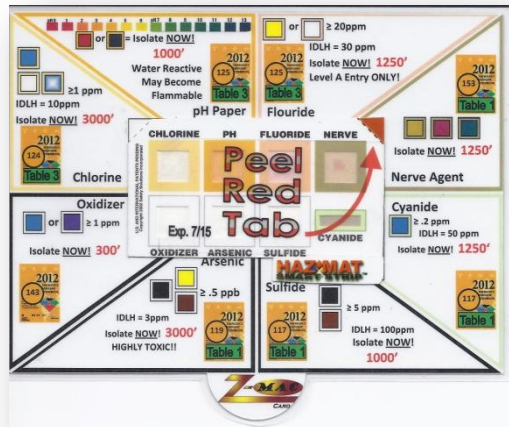
Operations Command

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Product Specification Sheet

ZMac Card



Product Description:

The ZMac Card addresses the disconnect that exists between cheap detection methodology and the information contained in the ERG and NIOSH pocket guide to chemical hazards, in an easy to use format.

The combination of detecting real time conditions and the corresponding action items allow first responders to be better prepared in the initial stages of emergency involving chemicals.

Product Features and Specifications:

- Appropriately sized to fit onto an Emergency Response Guidebook (ERG)
- Uses the HazMat Smart Strip™ to detect chemicals without requiring additional buffers or reagents.
- Pertinent information is provided for each chemical or class of chemical
- Expiration date visible on card
- One time use, once clear protective cover has been removed
- Easy to use thumb tab allows card to be accessed and stored easily

Product Name	ZMac™ Card	Size	5" x 7"
Detection methodology	HazMat Smart Strip™	Material	5 mm laminate
Shelf Life	2 years	Activation Time	12 hours once activated

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by the first responder.

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