

5337 E010

NRCS CMM Div. – Approval of personal flotation devices

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Date of approval:	15 - October - 2010		
Date of implementation:	21/10/2010		

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1. Purpose

This document describes the procedure that is used by the NRCS CMM Division for the approval of personal flotation devices in terms of VC8032:2009.

2. Scope

This document applies to the following:

- a) All staff members of CMM involved in the approval of PFDs.
- b) All personal flotation devices as covered by the scope of VC8032:2009.

This procedure covers the following:

- a) General rules that are applicable to the approval of PFDs.
- b) Application for the approval of PFDs.
- c) Type-examination of PFDs.
- d) Refusal of approval of PFDs.
- e) Approval of PFDs.

3. References

This document incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text. For dated references, subsequent amendments to or revisions of any of these publications apply to this document only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

3.1 Legislation

Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008)

Regulations relating to the payment of levy and the issue of sales permits in regard to compulsory specifications as published by Government Notice No. R. 999 (Government Gazette No. 9728) of 3 May 1985, and amended by Government Notice No. 2242 (Government Gazette No. 14190) of 7 August 1992 and Government Notice No. R. 451 (Government Gazette No. 24623) of 4 April 2003.

3.2 Standards

SANS 12402: *'Personal flotation devices'*

SANS 17025: *'General requirements for the competence of testing and calibration laboratories'*

3.3 Policies, manuals and procedures

Divisional Manual No. CMM M003: *'Quality management system'*

3.4 Definitions

Approval is a confirmation by the NRCS that a type of PFD satisfies the requirements of VC8032:2009.

Inspector is a staff member of CMM responsible for the approval of PFDs.

3.5 Abbreviations

CMM: NRCS Chemicals Mechanical & Materials Division

PFD: personal flotation device

PPE: personal protective equipment

4. General rules

4.1 Proof of compliance

4.1.1 Criteria

4.1.1.1 A type of PFD shall be examined for compliance against the requirements of the latest editions of the appropriate parts of SANS 12402.

4.1.2 Evidence

4.1.2.1 Only test reports from a testing authority that has been accredited in accordance with SANS 17025 by a signatory to the International Laboratory Accreditation Co-Operation's Mutual Recognition Agreement shall be accepted as proof of compliance with the requirements of SANS 12402. No approval certificates shall be accepted.

4.1.2.2 Test reports shall satisfy the requirements of SANS 17025.

4.2 Samples

4.2.1 Samples for the purpose of this procedure shall be stored in accordance with paragraph 11.4.1 of Divisional Manual No. CMM M003.

4.2.2 An AA33 form shall be completed and issued to the applicant:

- On receipt of application documents, technical files and reference samples from the applicant.
- When the applicant or his agent collects application documents, technical files and reference samples from CMM.

A copy of the AA33 form shall be kept in the relevant type-examination file, client file (see paragraph 4.4.2) or product file.

4.3 Data

4.3.1 *Technical File Database / Technical File Database - PPE* is stored on the NRCS computer network and shall be maintained by the Manager: Approvals.

4.3.2 *Homologation Database / Approvals Database – Personal Flotation Devices* is stored on the NRCS computer network and shall be maintained by the Manager: Approvals.

4.4 Records

4.4.1 All records pertaining to an application for approval of a type of PFD shall be kept in the applicable type-examination file. Records shall be kept for all documentation generated and received during the execution of this procedure. The records to be kept are identified in this procedure.

4.4.2 The client files for personal protective equipment shall be maintained in room C314A in accordance with the requirements of paragraph 12.3.2 of Divisional Manual No. CMM M003.

4.4.3 Product files shall be kept in room C225 until withdrawal of approval. The Manager: Approvals shall be responsible for the maintenance of these product files.

4.5 Communications

All communications may be verbal, telephonically, electronically or in writing, except where otherwise stated in this document.

4.6 Inspection safety

Care shall be taken when handling PFD samples for examination purposes, as a risk of personal injury does exist as a result of possible sharp edges and parts under pressure.

5. Application for approval

5.1 The applicant may request for the approval of a type of PFD verbally, telephonically, electronically or in writing.

5.2 The inspector shall determine if the product is covered by the scope of VC8032:2009.

5.3 Product not covered by VC8032:2009

5.3.1 Should it be found that the product is not covered by the scope of VC8032:2009, the inspector shall inform the applicant accordingly (electronically or in writing). The inspector shall file the following in the relevant client file (see paragraph 4.4.2):

- a) A copy of the abovementioned communication to the applicant.
- b) Documented evidence (e.g. technical specifications, instructions for use manuals, marketing material, etc.) that demonstrated that the product is not covered by the scope of VC8032:2009.

5.4 Product covered by VC8032:2009

When it is found that the product is covered by the scope of VC8032:2009, the inspector shall prepare a set of application documents as set out in Annexure D.

5.4.1 The inspector shall ensure that the latest non-refundable application fee for the approval of a type of PFD as published in the Government Gazette in terms of section 14(3)(b) of Act No. 5 of 2008 is indicated on NRCS form No. VC8032-A.

5.5 The inspector shall issue the prepared application documents to the applicant electronically, in writing or by hand.

5.6 The applicant will submit the items as communicated to him by means of NRCS form No. VC8032-A to CMM for processing.

5.7 Preliminary examination of application

5.7.1 Upon receipt of the application by an inspector, the inspector shall do a preliminary examination of the application in order to determine whether the applicant has included the following items:

- a) Proof of payment of the non-refundable application fee for the approval of the PFD type.
- b) A specimen for each size of the type of PFD.
- c) Completed and signed NRCS form No. VC8032-C.
- d) A technical description supported by technical drawings of the type of PFD.
- e) Details of the marking of the packaging for the type of PFD.
- f) Instructions for use.
- g) Test report/s demonstrating compliance with SANS 12402.
- h) Completed NRCS form No. VC8032-B3.

5.7.2 *Incomplete application*

5.7.2.1 When it is determined that the applicant has excluded one or more of the items as listed in paragraph 5.7.1, the inspector shall inform the applicant of the following:

- a) The item/s that was/were excluded from the application.
- b) The Division will proceed with the processing of the application, but the examination of the application can only be finalised once all outstanding items have been submitted.

5.7.3 The inspector shall forward the application to the Administration Officer: Approvals for registration and financial check.

5.8 Registration of application

The Administration Officer: Approvals shall take the following actions:

- 5.8.1 The application shall be registered in the *Technical File Database - PPE*.
- 5.8.2 A type-examination file shall be opened. The type-examination file and all relevant documentation in the technical file shall be marked with the technical file number.
- 5.8.3 The sample (when available) shall be marked with the technical file number.

5.9 Financial check

5.9.1 The Administration Officer: Approvals shall ensure with the Financial Department of the NRCS that the applicant has been registered as a levy payer in terms of the regulations relating to the payment of levy and the issue of sales permits in regard to compulsory specifications as published by Government Notice No. R. 999 (Government Gazette No. 9728) of 3 May 1985, and amended by Government Notice No. 2242 (Government Gazette No. 14190) of 7 August 1992 and Government Notice No. R. 451 (Government Gazette No. 24623) of 4 April 2003.

5.9.2 The Administration Officer: Approvals shall check for the following:

- a) If the applicant has included proof of payment of the non-refundable application fee for the approval of the type of PFD as communicated to him by means of NRCS form No. VC8032-A.
- b) If the applicant's levy return forms and payments are up to date (check with the Financial Department of the NRCS).
- c) If the applicant owes any other outstanding fees to the NRCS (check with the Financial Department of the NRCS).

5.10 When it is found that the applicant has not met his financial obligations towards the NRCS as set out in paragraph 5.9.2, the Administration Officer: Approvals shall inform the applicant electronically or in writing of the following:

- a) The application for the approval of the type of PFD will not be considered, because of the outstanding proof of payment of the non-refundable application fee or other outstanding fees.
- b) The application will be rejected if no proof of payment of the outstanding fee/s has been received within three (3) weeks from the date of notification.

5.10.1 The Administration Officer: Approvals shall file a copy of the notification in the relevant type-examination file.

5.10.2 The actions as set out in paragraph 7 may be taken when no proof of payment of the outstanding fee/s has been received within the three (3) week notification period.

5.11 When it is found that the applicant has met his financial obligations towards the NRCS, the Administration Officer: Approvals shall take the following actions:

5.11.1 The Administration Officer: Approvals shall request the Financial Department to invoice the applicant for the received proof of payment of the non-refundable application fee. The Administration Officer: Approvals shall file a copy of the invoice indicating full payment of the application fee in the relevant type-examination file.

5.11.2 The Administration Officer: Approvals shall forward the type-examination file to the inspector who has been nominated by the Manager: Approvals to examine the application.

6. Type-examination

6.1 Examination of application

The inspector shall examine the application to establish whether the following criteria has been met:

Note: The results of the examination shall be recorded in a NRCS Inspection Report for PFDs as attached to this document.

- 6.1.1 The application shall be examined to establish whether the applicant has submitted the items as communicated to him by means of NRCS form No. VC8032-A.
- 6.1.2 The technical file and its contents shall be examined for completeness and correctness in accordance with the requirements of NRCS form No. VC8032-B.
- 6.1.3 The technical file and its contents shall be examined to establish its suitability with respect to demonstrating compliance with the requirements of paragraph 3 of VC8032:2009.

6.2 Unacceptable technical file

The inspector shall take the following actions should the technical file and its contents not meet the criteria as set out in paragraph 6.1:

- 6.2.1 The inspector shall notify the applicant electronically or in writing of the following:
 - a) The applicant shall be notified of the problems with the technical file and requested to resubmit a corrected file within four (4) months from the date of notification.
 - b) The technical file and reference sample (when available) must be collected at the NRCS premises for correction purposes.
- 6.2.2 The inspector shall file copies of the notification and technical file in the type-examination file.
- 6.3** The actions as set out in paragraph 7 shall be taken should the applicant fail to resubmit the corrected technical file within the four (4) month period.
- 6.4** The following actions shall be taken when it is found that the resubmitted technical file still did not meet the criteria as set out in paragraph 6.1:
 - 6.4.1 One copy of the technical file shall be made and kept in the type-examination file.
 - 6.4.2 The inspector shall invite the applicant to a meeting at the NRCS premises. The purpose of the meeting will be the following:
 - a) Explanation of the findings on the technical file.
 - b) The applicant will be supplied with a copy of the findings.
 - c) The inspector shall return the technical file and reference sample (when available) to the applicant during the meeting for correction purposes.
 - d) The applicant will be requested to resubmit a corrected technical file within three (3) weeks from the date of the meeting.
 - 6.4.3 The actions as set out in paragraph 7 shall be taken should:
 - a) the applicant fail to resubmit the corrected technical file within the three (3) week period after the meeting date or;
 - b) when it is found that the resubmitted technical file still did not meet the criteria as set out in paragraph 6.1.

6.5 Acceptable technical file

The following actions shall be taken when the technical file meets the criteria as set out in paragraph 6.1:

6.5.1 The inspector shall examine the reference sample of the PFD type to verify that it has been produced in accordance with the technical file. The results of the examination shall be recorded in the *NRCS Inspection Report*.

6.6 Unacceptable reference sample

6.6.1 The actions as set out in paragraph 7 shall be taken should the reference sample not meet the criteria as set out in paragraph 6.5.1.

6.7 Acceptable reference sample

6.7.1 The actions as set out in paragraph 8 shall be taken when the sample meets the criteria as set out in paragraph 6.5.1.

7. APPROVAL REJECTED

- 7.1** The inspector shall complete and sign the inspection report and include it in the type-examination file.
- 7.2** The inspector shall prepare a letter as set out in Annexure E and include it in the type-examination file.
- 7.3** The inspector shall forward the type-examination file to the Manager: Approvals for review.
- 7.4** Once satisfied with the contents of the inspection report and letter, the Manager: Approvals shall sign the aforementioned documents.
- 7.5** The inspector shall file copies of the following documents in the type-examination file:
- a) The signed letter in paragraph 7.4;
 - b) NRCS inspection report;
 - c) Technical file (when available).
- 7.6** The inspector shall ensure that the signed letter in paragraph 7.4 is forwarded to the applicant electronically or by mail.
- 7.7 Close-out of type-examination task**
- 7.7.1** The inspector shall file the type-examination file in the relevant client file.

8. APPROVAL GRANTED

- 8.1 The inspector shall complete and sign the inspection report. The inspection report shall be filed in the type-examination file.
- 8.2 The inspector shall register the type of PFD in the *Approvals Database – Personal Flotation Devices* and shall allocate a type approval number.
- 8.2.1 **Type approval number**
- The first two digit groupings of the approval number shall indicate **NRCS/8032/**. The last digit grouping of the approval number shall be a **sequential number**. Annexure F to this document gives an example of the arrangement of the approval number for PFDs.
- 8.2.2 **Type-identifying information**
- The type of PFD shall be described as follows in the *Approvals Database – Personal Flotation Devices*:
- [Identification of the manufacturer as marked on the type of PFD] [Model designation as marked on the type of PFD]
- 8.3 **Approval certificate**
- 8.3.1 The inspector shall compile a *NRCS Letter of Authority APPROVAL GRANTED certificate* as attached to this document.
- 8.3.2 The inspector shall mark the following documents with the allocated type approval number and initial it:
- Drawings, diagrams, plans and photographs of the type of PFD;
 - Details of the marking of the type of PFD;
 - Details of the marking of the packaging for the type of PFD;
 - Information for users for the type of PFD;
 - NRCS form No. VC8032-B2 as set out in Appendix B2;
 - NRCS form No. VC8032-B3 that was completed and submitted by the applicant.
- The documents shall be described in the *NRCS Letter of Authority APPROVAL GRANTED certificate*.
- 8.3.3 The inspector shall emboss the golden star on the certificate with the NRCS emblem embossment machine.
- 8.3.4 The inspector shall sign the prepared *NRCS Letter of Authority APPROVAL GRANTED certificate* and include it in the type-examination file.
- 8.4 The inspector shall forward the type-examination file to the Manager: Approvals for review.
- 8.5 Once satisfied with the contents of the inspection report and *NRCS Letter of Authority APPROVAL GRANTED certificate*, the Manager: Approvals shall sign the aforementioned documents.
- 8.6 The inspector shall compile the following:

<p>ORIGINAL <i>NRCS Letter of Authority APPROVAL GRANTED certificate</i></p> <p style="text-align: center;">↓</p> <p>Attach to ORIGINAL certificate: COPIES of marked documents in paragraph 8.3.2.</p> <p style="text-align: center;">↓</p> <p>Submit to applicant.</p>	<p>COPY of <i>NRCS Letter of Authority APPROVAL GRANTED certificate</i></p> <p style="text-align: center;">↓</p> <p>Attach to COPY of certificate: ORIGINAL marked documents in paragraph 8.3.2.</p> <p style="text-align: center;">↓</p> <p>File in type-examination file.</p>
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- 8.7** The inspector shall notify the applicant in writing or by e-mail that the approved *NRCS Letter of Authority APPROVAL GRANTED certificate* and reference sample/s must be collected at the NRCS premises. The inspector shall file a copy of the aforementioned notification in the type-examination file.
- 8.8** The inspector shall open a product file for the approved type of PFD and mark it with the allocated type approval number.
- 8.9** The inspector shall file the type-examination file in the product file for the approved type of PFD.
- 8.10** The inspector shall store the product file in room C225 in accordance with the requirements of paragraph 4.4.3.

9. Replacement and withdrawal

Not applicable.

10. Forms

AA33: Goods dispatch and receipt note

11. Annexures, appendices and attachments

11.1 Annexures & appendices

Annexure A: NRCS form No. VC8032-A

Annexure B: NRCS form No. VC8032-B

Appendix B1: NRCS form No. VC8032-B1

Appendix B2: NRCS form No. VC8032-B2

Appendix B3: NRCS form No. VC8032-B3

Appendix B4: NRCS form No. VC8032-B4

Appendix B5: NRCS form No. VC8032-B5

Appendix B6: NRCS form No. VC8032-B6

Annexure C: NRCS form No. VC8032-C

Annexure D: Application documents

Annexure E: Approval of PFD: APPROVAL REJECTED

Annexure F: Arrangement of approval number

11.2 Attachments

NRCS Inspection Report for personal flotation devices.

NRCS Letter of Authority APPROVAL GRANTED certificate for PFDs.

Annexure A

NRCS form No. VC8032-A



VC8032-A

Application for the approval of personal flotation devices

ITEMS REQUIRED

In terms of the Compulsory Specification for personal flotation devices as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

The following items are required for an application for the approval of each type of personal flotation device (PFD).

NOTE: All applications, including accompanying documentation, shall be in at least one of the official languages of the Republic of South Africa.

A Proof of payment

Proof of payment of a non-refundable application fee of R902,00 for the approval of the type of PFD.

B Technical file

A technical file for the type of PFD as set out in NRCS form No. VC8032-B.

C Reference sample

At least one specimen of each size available. The specimen shall include all the accessories that are supplied with the type of PFD, within the packaging, as it is placed on the market, whether or not those accessories have actually been fitted to the PFD.

D Other

Note: Application for the approval of a type of PFD will not be considered when the applicant owes any outstanding fees to the NRCS, or when the applicant has failed to comply with the regulations relating to the payment of levy and the issue of sales permits in regard to compulsory specifications as published by Government Notice No. R. 899 (Government Gazette No. 9728) of 3 May 1985, and amended by Government Notice No. 2242 (Government Gazette No. 14190) of 7 August 1992 and Government Notice No. R. 451 (Government Gazette No. 24823) of 4 April 2003.

NRCS bank account details:

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 ABSA Bank
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Annexure B

NRCS form No. VC8032-B

Technical file for personal flotation devices

For an application for the approval of a type of personal flotation device in terms of the Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

The technical file for each type of personal flotation device (PFD) shall consist of the following:

B.1 Application form

NRCS form No. VC8032-C.

Note: The applicant shall be the manufacturer or importer of the type of PFD. The manufacturer or importer shall be an established legal entity within the Republic of South Africa.

B.2 Technical specifications

A technical description supported by technical drawings of the type of PFD, indicating the following as a minimum:

- a) All component parts.
- b) Description of each component part.
- c) Material/s used in each component part.
Note: See NRCS form No. VC8032-B5 for an example of a typical parts list & bill of materials for a product that will satisfy the aforementioned requirement.
- d) Methods of assembly.
Note: See NRCS form No. VC8032-B4 for an example of a typical assembly diagram for a product that will satisfy the aforementioned requirement.
- e) Markings and other information appearing on the type of PFD as required by the appropriate part of the latest edition of SANS 12402. The markings shall show the position intended for the following information:
 - I. Identification of the NRCS as approval authority (a marking requirement only for lifejackets for seagoing ships in accordance with the latest edition of SANS 12402-1);
 - II. The approval number as required by paragraph 6 of VC8032:2009 (a marking requirement for all classes of PFDs).

Note 1: The technical drawings shall be to scale. See NRCS form No. VC8032-B6 for an example of a typical technical drawing that will satisfy the aforementioned requirement.

Note 2: Photographic evidence may be included in the technical file in order to support the technical specifications.

B.3 Packaging

Details of the marking of the packaging for the type of PFD as required by the appropriate part of the latest edition of SANS 12402.

B.4 Information for users

Instructions for use, storage, care, cleaning and maintenance that shall accompany the type of PFD and consumer information at point of sale as required by the appropriate part of the latest edition of SANS 12402.

B.5 Proof of compliance

Copies of test reports demonstrating compliance with all the relevant requirements of the appropriate parts of the latest edition of SANS 12402, ensuring that all component parts and sizes have been covered.

Note 1: Only test reports from a testing authority that has been accredited in accordance with the latest edition of SANS 17025 by a signatory to the International Laboratory Accreditation Co-Operation's Mutual Recognition Agreement shall be accepted as proof of compliance with the requirements of SANS 12402. No approval certificates will be accepted.

Note 2: Test reports shall satisfy the requirements of the latest edition of SANS 17025. See NRCS form No. VC8032-B1 for guidance.

B.6 Conformity of production & routine tests

NRCS form No. VC8032-B3.

Note: NRCS form No. VC8032-B2 must be consulted for the requirements for satisfactory arrangements in order to ensure effective control of the conformity of production in accordance with the provisions of VC8032:2009.

B.7 Other

Any other materials that the applicant may wish to include in the technical file in order to support the application for approval, e.g. marketing material and photographs.

Appendix B1

NRCS form No. VC8032-B1

Requirements for test reports

For an application for the approval of a type of personal flotation device in terms of the Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

Test reports for the purpose of approval of personal flotation devices in terms of VC8032:2009 shall contain the following information as a minimum requirement. These requirements are based on the latest edition of SANS 17025 and must be consulted for further guidance. Only test reports from a testing authority that has been accredited in accordance with SANS 17025 by a signatory to the International Laboratory Accreditation Co-Operation's Mutual Recognition Agreement shall be accepted as proof of compliance with the requirements of the latest edition of SANS 12402.

A Title: "TEST REPORT".	<input type="checkbox"/>
B Name and address of laboratory.	<input type="checkbox"/>
C Test report number.	<input type="checkbox"/>
D Number of pages contained in the test report.	<input type="checkbox"/>
E Each page shall be marked with: <ul style="list-style-type: none"> • Test report number; • Page number. 	<input type="checkbox"/>
F Name and address of the client.	<input type="checkbox"/>
G Test and compliance Standard.	<input type="checkbox"/>
H Product identification.	<input type="checkbox"/>
I Test dates.	<input type="checkbox"/>
J Test results against each relevant requirement of the Standard.	<input type="checkbox"/>
K Statement of compliance/non-compliance.	<input type="checkbox"/>
L Authorization signature of laboratory.	<input type="checkbox"/>
M A statement to the effect that the results relate only to the items tested.	<input type="checkbox"/>

Appendix B2

NRCS form No. VC8032-B2

Conformity of Production & Routine Tests

MINIMUM REQUIREMENTS FOR SATISFACTORY ARRANGEMENTS

In terms of the Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

- B2.1** Personal flotation devices (PFD's) shall be so manufactured as to conform to the type approved under VC8032:2009 by complying with the requirements prescribed in the appropriate parts of the latest edition of SANS 12402.
- B2.2** In order to verify that the conditions stated in paragraph B2.1 have been met, appropriate control of the production shall be performed.
- B2.3** The holder of the approval is responsible for the conformity of production procedures and he shall in particular:
- B2.3.1** Ensure that the body as agreed to by the NRCS in paragraph B2.5.2 has access to the testing equipment needed to inspect the conformity of each approved type;
- B2.3.2** Ensure that the test results are recorded and that the annexed documents remain available for a time period of 3 years after test;
- B2.3.3** Analyse the results of each type of test in order to verify and ensure the stability of the PFD characteristics, making allowances for the variations of industrial production;
- B2.3.4** Ensure that for each type of PFD at least those tests prescribed in paragraph B2.5 of this document are carried out;
- B2.3.5** Ensure that when any samples or test pieces show non-conformity with the standard test concerned, further samples are taken and tested. All the necessary steps must be taken to restore conformity of the corresponding production.
- B2.4** The NRCS, which has granted the approval, may at any time verify the conformity control methods applied in each production facility.
- B2.4.1** At every inspection, the test records and production progress records shall be available to the visiting inspector.
- B2.4.2** When the level of control appears unsatisfactory, or when it seems necessary to check the validity of the tests carried out in application of paragraph B2.3, the inspector may select samples that will be sent to a technical service.
- B2.4.3** The relevant authorities may carry out all of the tests prescribed in the appropriate parts of the latest edition of SANS 12402.
- B2.4.4** In cases where unsatisfactory results are found during an inspection, the NRCS may withdraw the approval granted in respect of a type of PFD pursuant to VC8032:2009.
- B2.5** **Minimum conditions for the control of conformity of PFD's**
- B2.5.1** In agreement with the NRCS, one of the following bodies will undertake the control of conformity: the holder of an approval, or the manufacturer, or a technical service.
Note: The body that has been nominated by the applicant to undertake control of conformity shall be identified in NRCS form No. VC8032-B3.
- B2.5.2** The holder of an approval shall ensure that the body as agreed to by the NRCS in paragraph B2.5.1 carries out conformity control on a statistical basis and by random sampling. In agreement with the NRCS, the tests can be carried out by a technical service, the manufacturer's test laboratory or the holder of an approval.
- B2.5.3** The samples shall be taken in accordance with the provisions of paragraph B2.5.5.
- B2.5.4** The specimens are taken at random and the tests to carry out are described in paragraph B2.5.5.
- B2.5.5** For the production to be considered conform, the tests of conformity control shall meet the following requirements:

Tests to be conducted	Sample size	Sampling and test frequency	Body to carry out tests
Testing of materials and components in accordance with the latest edition of SANS 12402-7. The body responsible for control of conformity shall identify the tests to be conducted and to the satisfaction of the NRCS. <i>Note: The body responsible for control of conformity shall record the tests to be conducted in accordance with the latest edition of SANS 12402-7 in NRCS form No. VC8032-B3.</i>	As determined by the body responsible for control of conformity and to the satisfaction of the NRCS. <i>Note: The body responsible for control of conformity shall indicate the sample size for each test in NRCS form No. VC8032-B3.</i>	As determined by the body responsible for control of conformity and to the satisfaction of the NRCS. <i>Note: The body responsible for control of conformity shall indicate the sampling and test frequency for each test in NRCS form No. VC8032-B3.</i>	As agreed to by the NRCS. <i>Note: The body that has been nominated by the applicant to carry out the test shall be identified in NRCS form No. VC8032-B3.</i>

- B2.5.6** The test results described in paragraph B2.5.5 shall comply with the applicable requirements of the latest edition of SANS 12402-7.

Appendix B3

NRCS form No. VC8032-B3



VC8032-B3

Conformity of Production & Routine Tests

NRCS use only

Technical file No.:

Date of Issue:

SUMMARY OF EVIDENCE

In terms of the Compulsory Specification for personal flotation devices as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

NOTE: This form shall be completed in full for each type of personal flotation device submitted for approval. NRCS form No. VC8032-B2 must be consulted for the completion of this form.

Part A: Type-identifying information			
Identification of the manufacturer as marked on the type of PFD:			
Model designation as marked on the type of PFD:			
Classification and performance level of the type of PFD:			
<input type="checkbox"/> Lifejacket for seagoing ships in accordance with SANS 12402-1	<input type="checkbox"/> Lifejacket, performance level 275 in accordance with SANS 12402-2		
<input type="checkbox"/> Lifejacket, performance level 150 in accordance with SANS 12402-3	<input type="checkbox"/> Lifejacket, performance level 100 in accordance with SANS 12402-4		
<input type="checkbox"/> Buoyancy aid, performance level 50 in accordance with SANS 12402-5	<input type="checkbox"/> Special purpose device in accordance with SANS 12402-6		
Part B: Body that will undertake control of conformity			
Name of the body that has been nominated by the applicant to undertake control of conformity:			
Contact person:		Position in company:	
Tel.:	Fax:	E-mail:	
Postal address:			
Physical address:			
Part C: Schedule for control of conformity			
Tests to be conducted in accordance with the latest edition of SANS 12402-7	Sample size	Sampling and test frequency	Full details of body nominated by applicant to carry out test

Appendix B4

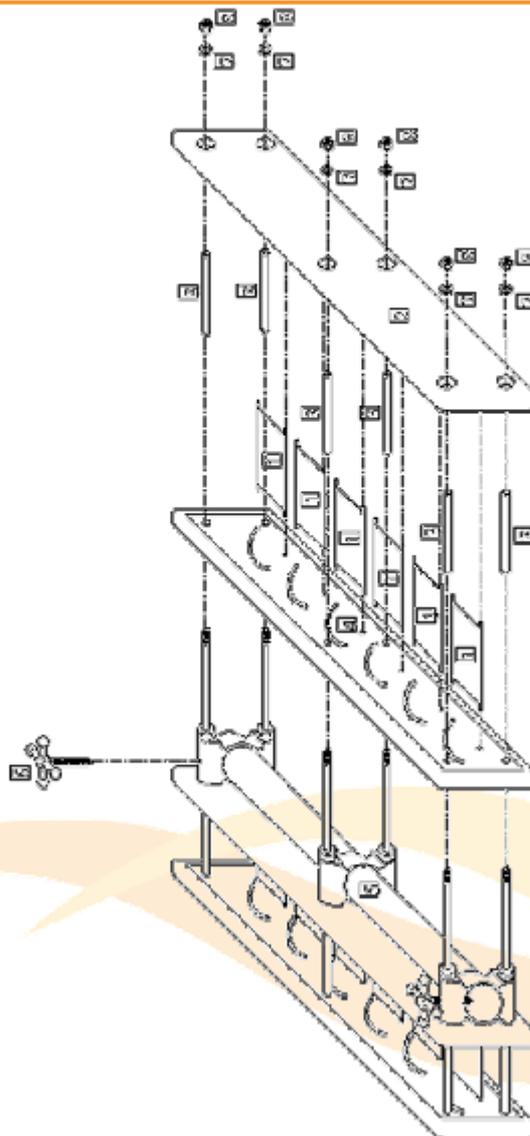
NRCS form No. VC8032-B4

VC8032-B4

Example of an assembly diagram

For an application for the approval of a type of personal flotation device in terms of the Compulsory Specification for personal flotation devices as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

In accordance with paragraph B.2 of NRCS form No. VC8032-B a technical description supported by technical drawings of a type of personal flotation device (PFD) shall demonstrate the methods of assembly for the type of PFD. This is an example of a typical assembly diagram for a product that will satisfy the aforementioned requirement.



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Appendix B5

NRCS form No. VC8032-B5



VC8032-B5

Example of a bill of materials

For an application for the approval of a type of personal flotation device in terms of the Compulsory Specification for personal flotation devices as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

In accordance with paragraph B.2 of NRCS form No. VC8032-B a technical description supported by technical drawings of a type of personal flotation device (PFD) shall indicate the material(s) used in each component part for the type of PFD. This is an example of a typical parts list & bill of materials for a product that will satisfy the aforementioned requirement.

Part No.	Designation	Qt.	Material
1	Blade	12	Thermoplastic
2	Left-facing blade frame	2	Thermoplastic and elastomer
3	Spacer	12	Thermoplastic
4	Right-facing blade frame	2	Thermoplastic and elastomer
5	Connecting frame	1	Non-ferrous metal
6	Setscrew	2	Non-ferrous metal
7	Washer	12	Non-ferrous metal
8	Hexagon nut ISO 4032 – M8 – CU7	12	Non-ferrous metal

Appendix B6

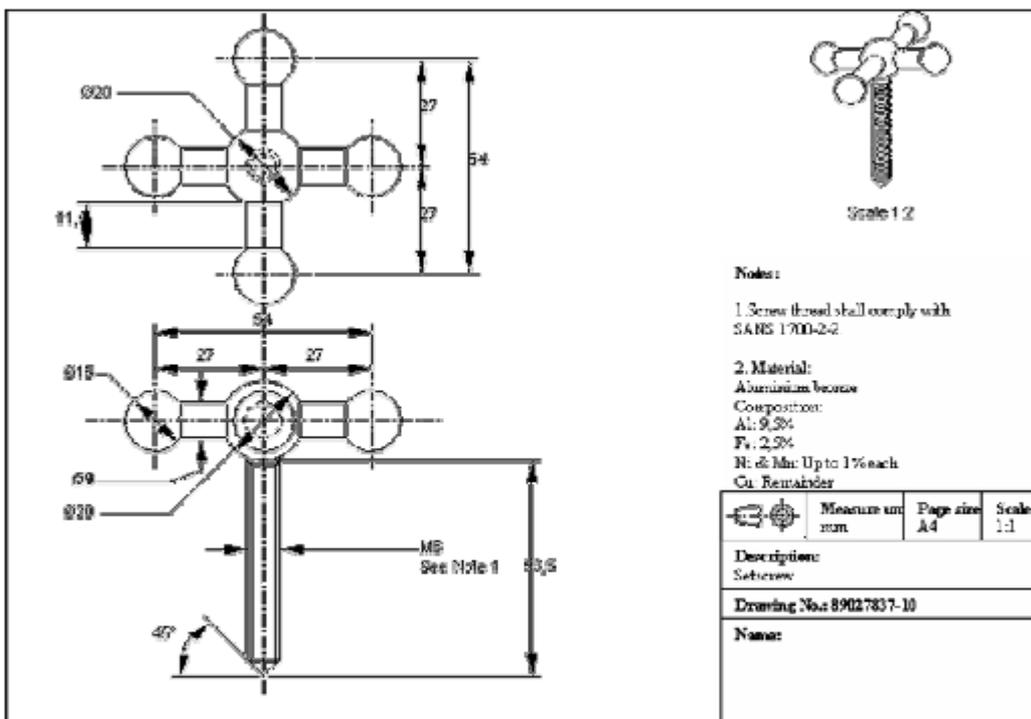
NRCS form No. VC8032-B6

VC8032-B6

Requirements for technical drawings

For an application for the approval of a type of personal flotation device in terms of the Compulsory Specification for personal flotation devices as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

In accordance with paragraph B.2 of NRCS form No. VC8032-B the technical specifications for a type of personal flotation device (PFD) shall include technical drawings for each component part of the type of PFD. In order to demonstrate the dimensions of each component part, such technical drawings shall be to scale. This is an example of a typical technical drawing of a component part for a product that will satisfy the aforementioned requirement.



Annexure C

NRCS form No. VC8032-C

VC8032-C

Application for the approval of a type of personal flotation device

In terms of the Compulsory Specification for personal flotation devices as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

Technical file No. _____ **NRCS use only** _____ Date of Issue: _____

NOTE: This form shall be completed in full for each type of personal flotation device submitted for approval.

Part A: Applicant's details							
Applicant's name:							
Applicant's company registration No.:							
Contact person:				Position in company:			
Tel.:		Fax:		E-mail:			
Part B: Importer's details							
Importer's name:							
SARS Importers Code:							
Postal address:							
Physical address:							
Part C: Manufacturer's details							
Manufacturer's name:							
Postal address:							
Physical address:							
Part D: Type-Identifying Information							
Identification of the manufacturer as marked on the type of PFD:							
Model designation as marked on the type of PFD:							
Classification and performance level of the type of PFD:							
<input type="checkbox"/> Lifejacket for seagoing ships in accordance with SANS 12402-1		<input type="checkbox"/> Lifejacket, performance level 275 in accordance with SANS 12402-2					
<input type="checkbox"/> Lifejacket, performance level 150 in accordance with SANS 12402-3		<input type="checkbox"/> Lifejacket, performance level 100 in accordance with SANS 12402-4					
<input type="checkbox"/> Buoyancy aid, performance level 50 in accordance with SANS 12402-5		<input type="checkbox"/> Special purpose device in accordance with SANS 12402-6					
Size range as marked on the type of PFD:							
Minimum and maximum user's mass (kg) for each size:							
Part E: Management declaration							
I hereby certify for and on behalf of the applicant that the information as contained in this application and accompanying product technical file is complete and correct in all respects, and is representative of the type of personal flotation device submitted for approval.							
Signature:				Name:			
Position in company:				Date:			

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Annexure D

Application documents

A set of application documents shall consist of the following:

- D.1** NRCS form No. VC8032-A as set out in Annexure A.
- D.2** NRCS form No. VC8032-B as set out in Annexure B.
- D.3** NRCS form No. VC8032-B1 as set out in Appendix B1.
- D.4** NRCS form No. VC8032-B2 as set out in Appendix B2.
- D.5** NRCS form No. VC8032-B3 as set out in Appendix B3.
- D.6** NRCS form No. VC8032-B4 as set out in Appendix B4.
- D.7** NRCS form No. VC8032-B5 as set out in Appendix B5.
- D.8** NRCS form No. VC8032-B6 as set out in Appendix B6.
- D.9** NRCS form No. VC8032-C as set out in Annexure C.

Annexure E

Approval of PFD: APPROVAL REJECTED



national regulator for compulsory specifications

Your ref:

Cur ref: **Approval of PFD - APPROVAL REJECTED.DOC**

Enquiries:



Technical file No:

Date: **08/06/2010**

Page: **1 of 1**

«Company»
 Attention: «Title of insty «Last»
 «Address»
 «City»
 «ZipPostal Code»
 «Country»

Dear Sir/Madam

Approval of PFD: APPROVAL REJECTED

You are hereby notified that the application for the approval of the following type of personal flotation device (PFD) has been rejected:

PFD type: [identification of the manufacturer as marked on the type of PFD] [Model designation as marked on the type of PFD]
 [Classification and performance level of the type of PFD]

Please refer to the following NRCS Inspection Report for the type-examination results:

NRCS Inspection Report No. XXX

The NRCS Inspection Report, technical file¹ and reference sample² must be collected at the following premises:

NRCS Head Office
 SABS Campus
 1 Dr. Lategan Road
 Groenkloof
 Pretoria

The NRCS Inspection Report, technical file³ and reference sample⁴ will be disposed of if not collected within six (6) months from the date of this notification.

Yours faithfully,



T. Mugologo (Mrs.)
 MANAGER: APPROVALS
 NRCS CMM Division

¹ When available.
² When available.
³ When available.
⁴ When available.

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Annexure F

Arrangement of approval number

Example of the arrangement of an approval number for a PFD type:

NRCS/8032/0001

The above approval mark affixed to a PFD shows that the PFD type concerned has been approved under approval number NRCS/8032/0001. The approval number shows that this approval was granted in accordance with the requirements of the Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

12. Revision particulars

Revision No.	Date of implementation	Nature of revision
-	-	-

No.:

Date: 15/10/2010

Page: 1 of 22

1. TYPE-IDENTIFYING INFORMATION

Identification of the manufacturer as marked on the type of PFD: _____

Model designation as marked on the type of PFD: _____

Classification and performance level of the type of PFD:

- | | |
|---|--|
| <input type="checkbox"/> Lifejacket for seagoing ships in accordance with SANS 12402-1 | <input type="checkbox"/> Lifejacket, performance level 275 in accordance with SANS 12402-2 |
| <input type="checkbox"/> Lifejacket, performance level 150 in accordance with SANS 12402-3 | <input type="checkbox"/> Lifejacket, performance level 100 in accordance with SANS 12402-4 |
| <input type="checkbox"/> Buoyancy aid, performance level 50 in accordance with SANS 12402-5 | <input type="checkbox"/> Special purpose device in accordance with SANS 12402-6 |

Size range as marked on the type of PFD:

Minimum and maximum user's mass (kg) for each size:

2. GENERAL

2.1 Inspection method

- Type-examination of a type of personal flotation device (PFD) in accordance with Divisional Procedure No. 5337 E010.
- Sales Permit application in accordance with Divisional Procedure No. REG 003.

2.2 Items required

	Included		Acceptable	
	Yes	No	Yes	No
<u>Application for approval</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Applicant has submitted the items as communicated to him by means of NRCS form No. VC8032-A.

Remarks:

3. TECHNICAL FILE

No.:

Inspection date/s:

3.1 Completeness and correctness of technical file in accordance with NRCS form No. VC8032-B

	Included		Acceptable	
	Yes	No	Yes	No
B.1 Application form	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Application for approval

NRCS form No. VC8032-C.

Note: The applicant shall be the manufacturer or importer of the type of PFD. The manufacturer or importer shall be an established legal entity within the Republic of South Africa.

Application for a Sales Permit

Application form as set out in Divisional Procedure No. REG 003.

Remarks:

B.2 Technical specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------

A technical description supported by technical drawings of the type of PFD, indicating the following as a minimum:

- a) All component parts.
- b) Description of each component part.
- c) Material/s used in each component part.
Note: See NRCS form No. VC8032-B5 for an example of a typical parts list & bill of materials for a product that will satisfy the aforementioned requirement.
- d) Methods of assembly.
Note: See NRCS form No. VC8032-B4 for an example of a typical assembly diagram for a product that will satisfy the aforementioned requirement.
- e) Markings and other information appearing on the type of PFD as required by the appropriate part of the latest edition of SANS 12402. The markings shall show the position intended for the following information:
 - i. Identification of the NRCS as approval authority (a marking requirement only for lifejackets for seagoing ships in accordance with the latest edition of SANS 12402-1);
 - ii. The approval number as required by paragraph 6 of the Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009 (a marking requirement for all classes of PFDs).

Note 1: The technical drawings shall be to scale. See NRCS form No. VC8032-B6 for an example of a typical technical drawing that will satisfy the aforementioned requirement.

Note 2: Photographic evidence may be included in the technical file in order to support the technical specifications.

Remarks:

B.3 Packaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
----------------------	--------------------------	--------------------------	--------------------------	--------------------------

Details of the marking of the packaging for the type of PFD as required by the appropriate part of the latest edition of SANS 12402.

Remarks:

B.4 Information for users

Instructions for use, storage, care, cleaning and maintenance that shall accompany the type of PFD and consumer information at point of sale as required by the appropriate part of the latest edition of SANS 12402.

Remarks:

B.5 Proof of compliance

Copies of test reports demonstrating compliance with all the relevant requirements of the appropriate parts of the latest edition of SANS 12402, ensuring that all component parts and sizes have been covered.

Note 1: Only test reports from a testing authority that has been accredited in accordance with SANS 17025 by a signatory to the International Laboratory Accreditation Co-Operation's Mutual Recognition Agreement shall be accepted as proof of compliance with the requirements of SANS 12402. No approval certificates will be accepted.

Note 2: Test reports shall satisfy the requirements of the latest edition of SANS 17025. See NRCS form No. VC8032-B1 for guidance.

<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
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<i>Testing authority:</i>	<i>Test Report No.:</i>
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<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____
<i>Testing authority:</i>	<i>Test Report No.:</i>
_____	_____

Remarks:

Included		Acceptable	
Yes	No	Yes	No

B.6 Conformity of production & routine tests

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------

NRCS form No. VC8032-B3.

Note: NRCS form No. VC8032-B2 must be consulted for the requirements for satisfactory arrangements in order to ensure effective control of the conformity of production in accordance with the provisions of VC8032:2009.

Remarks:

B.7 Other

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------	--------------------------

Any other materials that the applicant has included in the technical file and that were considered for the type-examination process.

Remarks:

3.2 Suitability of technical file with respect to demonstrating compliance with paragraph 3.X of VC8032:2009

The technical file was inspected for compliance with the requirements of SANS 12402-X:20XX: 'Personal flotation devices - Part X: XXXXXXXXXXXX, performance level XXX – Safety requirements'.

This part of the inspection report should be read in conjunction with SANS 12402-X:20XX.

SANS 12402-X:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5	Requirements		
5.1	General <i>See paragraph 3.4 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2	Combination of lifejackets and accessories		
5.2.1	General <i>See paragraph 3.5 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.2	Lifting loop <i>A technical description supported by technical drawings of the type of PFD and test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.3	Whistle <i>See paragraph 3.5 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.4	Sprayhood <i>See paragraph 3.5 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3	Types of buoyancy <i>Test report/s shall be examined for evidence of compliance.</i>		
5.3.1	General		
5.3.1.1	<i>For <u>special purpose devices</u>, see paragraph 3.3 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3.1.2	<i>For <u>special purpose devices</u>, see paragraph 3.3 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3.1.3		<input type="checkbox"/>	<input type="checkbox"/>
5.3.2	Inflatable buoyancy chambers		
5.3.2.1		<input type="checkbox"/>	<input type="checkbox"/>
5.3.2.2		<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-X:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5.3.3	Inherently buoyant material <i>See paragraph 3.4 of this inspection report for examination results.</i>		
5.3.3.1		<input type="checkbox"/>	<input type="checkbox"/>
5.3.3.2		<input type="checkbox"/>	<input type="checkbox"/>
5.3.4	Total buoyancy provided		
5.3.4.1		<input type="checkbox"/>	<input type="checkbox"/>
5.3.4.2	<i>For <u>special purpose devices</u>, see paragraph 3.3 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3.4.3	<i>For <u>special purpose devices</u>, see paragraph 3.3 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3.4.4		<input type="checkbox"/>	<input type="checkbox"/>
5.3.4.5		<input type="checkbox"/>	<input type="checkbox"/>
5.4	Conspicuousness <ul style="list-style-type: none"> • <i>Test report/s shall be examined for evidence of compliance.</i> • <i>For <u>special purpose devices</u>, see paragraph 3.3 of this inspection report for examination results.</i> 		
5.4.1	Colour <i>See paragraph 3.4 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.4.2	Retroreflective material	<input type="checkbox"/>	<input type="checkbox"/>
5.5	Strength <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.6	Performance <i>Test report/s shall be examined for evidence of compliance.</i>		
5.6.1	General		
5.6.1.1		<input type="checkbox"/>	<input type="checkbox"/>
5.6.1.2		<input type="checkbox"/>	<input type="checkbox"/>
5.6.1.3		<input type="checkbox"/>	<input type="checkbox"/>
5.6.1.4		<input type="checkbox"/>	<input type="checkbox"/>
5.6.1.5		<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-X:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5.6.1.6		<input type="checkbox"/>	<input type="checkbox"/>
5.6.1.7		<input type="checkbox"/>	<input type="checkbox"/>
5.6.2	Donning, adjustment and fit		
5.6.2.1		<input type="checkbox"/>	<input type="checkbox"/>
5.6.2.2		<input type="checkbox"/>	<input type="checkbox"/>
5.6.2.3		<input type="checkbox"/>	<input type="checkbox"/>
5.6.2.4		<input type="checkbox"/>	<input type="checkbox"/>
5.6.2.5		<input type="checkbox"/>	<input type="checkbox"/>
5.6.3	In-water performance		
5.6.3.1		<input type="checkbox"/>	<input type="checkbox"/>
5.6.3.2		<input type="checkbox"/>	<input type="checkbox"/>
5.6.3.3		<input type="checkbox"/>	<input type="checkbox"/>
5.6.3.4		<input type="checkbox"/>	<input type="checkbox"/>
5.6.3.5		<input type="checkbox"/>	<input type="checkbox"/>
5.7	Multi-chamber buoyancy systems <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
6	Marking		
6.1	General <i>A technical description supported by technical drawings of the type of PFD, indicating the markings and other information appearing on the type of PFD, shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
6.2	Information on the xxxxxxxxxx <i>A technical description supported by technical drawings of the type of PFD, indicating the markings and other information appearing on the type of PFD, and test report/s shall be examined for evidence of compliance.</i> Note: Compliance with this part of SANS 12402-X:20XX can be examined in conjunction with paragraph 7(a) of the Standard.	<input type="checkbox"/>	<input type="checkbox"/>
7	Information supplied by the manufacturer <i>An explanatory leaflet/booklet detailing the instructions for use, storage, care, cleaning and maintenance for the type of PFD shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-X:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
8 Consumer information at point of sale <i>A technical description supported by technical drawings indicating the markings and other information appearing on the type of PFD, and/or details of the marking of the packaging for the type of PFD shall be examined for evidence of compliance.</i>			
8.1 General		<input type="checkbox"/>	<input type="checkbox"/>
8.2 Plain text version		<input type="checkbox"/>	<input type="checkbox"/>
8.3 Data list		<input type="checkbox"/>	<input type="checkbox"/>
8.4 Pictograms		<input type="checkbox"/>	<input type="checkbox"/>
8.5 Colour-code		<input type="checkbox"/>	<input type="checkbox"/>

3.3 Suitability of technical file with respect to demonstrating compliance with paragraph 3.6 of VC8032:2009

The technical file was inspected for compliance with the requirements of SANS 12402-6:20XX: 'Personal flotation devices - Part 6: Special purpose lifejackets and buoyancy aids – Safety requirements and additional test methods.'

This part of the inspection report should be read in conjunction with SANS 12402-6:20XX.

SANS 12402-6:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5	Requirements		
5.1	General		
5.1.1	Principles <i>An explanatory leaflet/booklet detailing the instructions for use, storage, care, cleaning and maintenance for the type of PFD and test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.2	Accessories		
5.1.2.1	General <i>See paragraph 3.5 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.2.2	Lifting loop <i>See paragraph 3.2 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.2.3	Whistle <i>See paragraph 3.5 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.2.4	Sprayhood <i>See paragraph 3.5 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.3	Types of buoyancy		
5.1.3.1.1		<input type="checkbox"/>	<input type="checkbox"/>
5.1.3.1.2		<input type="checkbox"/>	<input type="checkbox"/>
5.1.3.1.3		<input type="checkbox"/>	<input type="checkbox"/>
5.1.3.2	Inflatable buoyancy chambers <i>See paragraph 3.2 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.3.3	Total buoyancy provided		
5.1.3.3.1	<i>See paragraph 3.2 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-6:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5.1.3.3.2	<i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.1.3.4.3	<i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2	White-water sports devices <i>Test report/s shall be examined for evidence of compliance.</i>		
5.2.1	Conspicuousness	<input type="checkbox"/>	<input type="checkbox"/>
5.2.2	Shoulder strength	<input type="checkbox"/>	<input type="checkbox"/>
5.2.3	Quick-release harness systems		
5.2.3.1	<i>General</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.3.2	<i>Quick-release mechanism</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.4	Specific requirements for PFDs used for commercial white-water service		
5.2.4.1	<i>General</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.4.2	<i>In-water removal test (in case of entrapment)</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.2.4.3	<i>Buoyancy test</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.2.4.4	<i>Horizontal and vertical load test</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3	PFDs for personal water craft, water skiing, or similar towed uses <i>A technical description supported by technical drawings of the type of PFD shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.4	PFDs for fire fighting application <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-6:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
6	Marking		
6.1	General <i>See paragraph 3.2 of this inspection report for examination results.</i>	<input type="checkbox"/>	<input type="checkbox"/>
6.2	Information on the buoyancy aid <ul style="list-style-type: none"> A technical description supported by technical drawings of the type of PFD, indicating the markings and other information appearing on the type of PFD, and test report/s shall be examined for evidence of compliance. Note: Compliance with this part of SANS 12402-6:20XX can be examined in conjunction with paragraph 7(a) of the Standard. See also paragraph 3.2 of this inspection report for examination results. 	<input type="checkbox"/>	<input type="checkbox"/>
6.3	PFD used for commercial rafting in white water <i>A technical description supported by technical drawings of the type of PFD, indicating the markings and other information appearing on the type of PFD, shall be examined for evidence of compliance.</i> Note: Compliance with this part of SANS 12402-6:20XX can be examined in conjunction with paragraph 7(a) of the Standard.	<input type="checkbox"/>	<input type="checkbox"/>
6.4	Identification and information <i>A technical description supported by technical drawings of the type of PFD, indicating the markings and other information appearing on the type of PFD, shall be examined for evidence of compliance.</i>		
6.4.1		<input type="checkbox"/>	<input type="checkbox"/>
6.4.2		<input type="checkbox"/>	<input type="checkbox"/>
7	Information supplied by the manufacturer <ul style="list-style-type: none"> An explanatory leaflet/booklet detailing the instructions for use, storage, care, cleaning and maintenance for the type of PFD shall be examined for evidence of compliance. See also paragraph 3.2 of this inspection report for examination results. 	<input type="checkbox"/>	<input type="checkbox"/>
8	Consumer information at point of sale <i>See paragraph 3.2 of this inspection report for examination results.</i>		
8.1	General	<input type="checkbox"/>	<input type="checkbox"/>
8.2	Plain text version	<input type="checkbox"/>	<input type="checkbox"/>
8.3	Data list	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-6:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
8.4	Pictograms	<input type="checkbox"/>	<input type="checkbox"/>
8.5	Colour-code	<input type="checkbox"/>	<input type="checkbox"/>



3.4 Suitability of technical file with respect to demonstrating compliance with paragraph 3.7 of VC8032:2009

The technical file was inspected for compliance with the requirements of SANS 12402-7:20XX: 'Personal flotation devices - Part 7: Materials and components – Safety requirements and test methods.'

This part of the inspection report should be read in conjunction with SANS 12402-7:20XX.

SANS 12402-7:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
4	Materials and components		
4.1	General <i>Applicable to all materials and components of the PFD type.</i>		
4.1.5	Material		
4.1.5.1	Non-metallic components and fabrics <ul style="list-style-type: none"> • Test report/s shall be examined for evidence of compliance. • Test results obtained from the method as set out in paragraph 5.5.3 of SANS 12402-9:20XX shall be examined for evidence of compliance. 	<input type="checkbox"/>	<input type="checkbox"/>
4.1.5.2	Corrosion of metal components <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.1.5.3	Magnetic properties <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.1.5.4	Innocuousness <i>A declaration of conformity shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.2	Sewing thread		
4.2.1	Construction <i>A declaration of conformity shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.2.2	Performance <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.3	Fabric <i>Test report/s shall be examined for evidence of compliance.</i>		
4.3.2	Performance		
4.3.2.1		<input type="checkbox"/>	<input type="checkbox"/>
4.3.2.2		<input type="checkbox"/>	<input type="checkbox"/>
4.3.2.3		<input type="checkbox"/>	<input type="checkbox"/>
4.3.2.4		<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-7:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
4.3.2.5		<input type="checkbox"/>	<input type="checkbox"/>
4.3.3	Colour		
4.3.3.1		<input type="checkbox"/>	<input type="checkbox"/>
4.3.3.4		<input type="checkbox"/>	<input type="checkbox"/>
4.4	Structural webbing and tie tape <i>Test report/s shall be examined for evidence of compliance.</i>		
4.4.1	General	<input type="checkbox"/>	<input type="checkbox"/>
4.5	Structural lacing <i>Test report/s shall be examined for evidence of compliance.</i>		
4.5.1	Construction	<input type="checkbox"/>	<input type="checkbox"/>
4.5.2	Performance	<input type="checkbox"/>	<input type="checkbox"/>
4.6	Structural zippers <i>Test report/s shall be examined for evidence of compliance.</i>		
4.6.1	Construction	<input type="checkbox"/>	<input type="checkbox"/>
4.6.2	Performance		
4.6.2.1	General	<input type="checkbox"/>	<input type="checkbox"/>
4.7	Hardware <i>Test report/s shall be examined for evidence of compliance.</i>		
4.7.1	Webbing closures and adjusters		
4.7.1.1	Construction	<input type="checkbox"/>	<input type="checkbox"/>
4.7.2	Lacing closures and adjusters		
4.7.2.1	General	<input type="checkbox"/>	<input type="checkbox"/>
4.7.3	Multi-eyelet guides		
4.7.3.1	Construction	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-7:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
4.8	Foam flotation material <i>Test report/s shall be examined for evidence of compliance.</i>		
4.8.1	General	<input type="checkbox"/>	<input type="checkbox"/>
4.8.3	Knitted fabric laminated to foam flotation material	<input type="checkbox"/>	<input type="checkbox"/>
4.9	Inflation chamber materials <i>Test report/s shall be examined for evidence of compliance.</i>		
4.9.1	General	<input type="checkbox"/>	<input type="checkbox"/>
4.10	Polymeric foam coatings <i>Test report/s shall be examined for evidence of compliance.</i>		
4.10.1	Construction	<input type="checkbox"/>	<input type="checkbox"/>
4.10.2	Performance		
4.10.2.1	<i>Coating adhesion</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.10.2.2	<i>Resistance to flex cracking</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.10.2.3	<i>Elongation at break</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.11	Inflation systems for hybrid and fully inflatable PFDs <i>Test report/s shall be examined for evidence of compliance.</i>		
4.11.1	Construction		
4.11.1.1	<i>General</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.11.1.2	<i>Materials</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.11.1.3	<i>Oral inflation systems</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.11.1.4	<i>Actuation and re-arming of manual and automatic inflation systems</i>	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-7:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
4.11.1.5	<i>Means for verification of mechanism operation</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.11.1.6	<i>Indicators</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.11.2	Performance		
4.11.2.1	<i>General</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.12	Gas-filled cylinders		
4.12.1	Construction <i>Test report/s shall be examined for evidence of compliance.</i>		
4.12.1.1	<i>General</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.1.1	<u>Cylinder body</u>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.1.2	<u>Cap</u>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.1.3	<u>Gas charge</u>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.1.4	<u>Surface protection</u>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.2	Materials <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.12.1.2.1	<u>Cylinder body</u> <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.2.2	<u>Cap</u> <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.2.3	<u>Gas</u> <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
4.12.1.3	<i>Cylinder type</i>		

SANS 12402-7:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
4.12.1.3.1	<ul style="list-style-type: none"> A design drawing for the gas cylinder shall be examined for evidence of compliance. See paragraph 4.12.1.3.2 of SANS 12402-7:20XX for the definition of a cylinder type. 	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2	Performance		
4.12.2.1	Tests and acceptance criteria		
4.12.2.1.1	<u>Pressure test</u> Test report/s shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.2	<u>Burst pressure (hydrostatic)</u> Test report/s shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.3	<u>Rupture</u> Test report/s shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.4	<u>Cap piercing characteristics</u> Test report/s shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.5	<u>Leakage</u> Test report/s shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.6	<u>Mass or pressure of gas charge</u> Test report/s and a design drawing for the gas cylinder shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.7	<u>Cylinder volume and maximum filling</u> Test report/s and a design drawing for the gas cylinder shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.8	<u>Dimensions and workmanship</u> Test report/s and a design drawing for the gas cylinder shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>
4.12.2.1.9	<u>Corrosion resistance</u> Test report/s shall be examined for evidence of compliance.	<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-7:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
4.12.3	Marking <i>A design drawing for the gas cylinder shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>



3.5 Suitability of technical file with respect to demonstrating compliance with paragraph 3.8 of VC8032:2009

The technical file was inspected for compliance with the requirements of SANS 12402-8:20XX: 'Personal flotation devices - Part 8: Accessories – Safety requirements and test methods.'

This part of the inspection report should be read in conjunction with SANS 12402-8:20XX.

SANS 12402-8:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5	Specifications and test methods		
5.1	General <i>Test report/s shall be examined for evidence of compliance.</i>		
5.1.1		<input type="checkbox"/>	<input type="checkbox"/>
5.1.2		<input type="checkbox"/>	<input type="checkbox"/>
5.1.3		<input type="checkbox"/>	<input type="checkbox"/>
5.1.4		<input type="checkbox"/>	<input type="checkbox"/>
5.2	Whistles <i>A technical description supported by a technical drawing of the whistle and test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.3	Deck safety harness and safety lines <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.4	Buddy lines <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.5	Sprayhood <i>Test report/s shall be examined for evidence of compliance.</i>		
5.5.1	General	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.6	Protective covers		
5.6.1	General <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.6.2	Additional hazards <i>Test report/s shall be examined for evidence of compliance.</i>		
5.6.2.1	Puncture resistance		
5.6.2.1.1		<input type="checkbox"/>	<input type="checkbox"/>

SANS 12402-8:20XX Requirements	EXAMINATION OF TECHNICAL FILE	ACCEPTABLE	
		Yes	No
5.6.2.2	<i>Molten metal splash resistance</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.6.2.3	<i>Burst strength</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.6.3	Marking <i>A technical description supported by technical drawing/s of the protective cover shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>
5.7	Multi-chamber buoyancy systems <i>Test report/s shall be examined for evidence of compliance.</i>	<input type="checkbox"/>	<input type="checkbox"/>

3.6 Suitability of technical file with respect to demonstrating compliance with paragraph 3.11 of VC8032:2009

ACCEPTABLE:	Yes	No
The information as recorded in NRCS form No. VC8032-B3 shall satisfy the requirements for satisfactory arrangements to ensure effective control of the conformity of production of the type of PFD as set out in NRCS form No. VC8032-B2.	<input type="checkbox"/>	<input type="checkbox"/>

Remarks:

4. REFERENCE SAMPLE

No.:

Inspection date/s:

4.1 Verification of production in accordance with the technical file:

	Acceptable
	Yes No
B.1 Application form	<input type="checkbox"/> <input type="checkbox"/>

Application for approval

Homogeneity of the reference sample with the type-identifying information as contained in NRCS form No. VC8032-C.

Application for a Sales Permit

Homogeneity of the reference sample with the product information as contained in the application form as set out in Divisional Procedure No. REG 003.

Remarks:

B.2 Technical specifications

Homogeneity of the reference sample with the technical description supported by technical drawings of the type of PFD.

Remarks:

B.3 Packaging

Homogeneity of the reference sample with the details of the marking of the packaging for the type of PFD as required by the appropriate part of the latest edition of SANS 12402.

Remarks:

B.4 Information notice

Homogeneity of the reference sample with the instructions for use, storage, care, cleaning and maintenance that shall accompany the type of PFD and consumer information at point of sale as required by the appropriate part of the latest edition of SANS 12402.

Remarks:

B.5 Proof of compliance

Homogeneity of the reference sample with the test reports demonstrating compliance with all the relevant requirements of the appropriate parts of the latest edition of SANS 12402.

Remarks:

B.6 Conformity of production & routine tests

Homogeneity of the reference sample with the type-identifying information as contained in NRCS form No. VC8032-B3.

Remarks:

B.7 Other

Homogeneity of the reference sample with any other materials that the applicant has included in the technical file and that were considered for the type-examination process.

Remarks:

5. REMARKS

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6. CONCLUSION

	Yes	No	N/A ¹
Technical file complete and correct in accordance with NRCS form No. VC8032-B:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical file satisfied the requirements of paragraph 3.X of VC8032:2009:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical file satisfied the requirements of paragraph 3.6 of VC8032:2009:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical file satisfied the requirements of paragraph 3.7 of VC8032:2009:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical file satisfied the requirements of paragraph 3.8 of VC8032:2009:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical file satisfied the requirements of paragraph 3.11 of VC8032:2009:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reference sample manufactured in accordance with the technical file:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remarks:			
Type of PFD recommended for approval in accordance with Annex A of VC8032:2009:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Type of PFD recommended for a Sales Permit in terms of Section 14(4) of the National Regulator for Compulsory Specifications Act, 2008 (Act No. 5 of 2008):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remarks:			

 MANAGER: APPROVALS
 NRCS CMM DIVISION

 INSPECTOR
 NRCS CMM DIVISION

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¹ Not applicable

Page: **1 of 2**

Concerning: **APPROVAL GRANTED**

of a type of personal flotation device (PFD) pursuant to the Compulsory Specification for personal flotation devices (herein referred to as VC8032:2009) as published by Government Notice No. R. 91 (Government Gazette No. 31844) of 6 February 2009.

Type approval No.: **NRCS/8032/XXXX**

Extension No.: **-**

1. Type-identifying information

Identification of the manufacturer as marked on the type of PFD:

Model designation as marked on the type of PFD:

Class:

Performance level:

Size range as marked on the type of PFD:

2. Holder of the approval

Name:

SARS Importers Code:

Physical address:

3. South African National Standards applicable to the type of PFD

SANS 12402-X:20XX: 'Personal flotation devices - Part X: Xxxxxxxx xxxx (level xx) - Safety requirements'

4. Terms and conditions of issue

- 4.1 This certificate is applicable only to the type of PFD as identified herein.
- 4.2 The holder of the approval shall ensure that the approval number is marked on every PFD conforming to the type identified in this certificate, in print at least 6mm high and in the following format: RSA NRCS/8032/XXXX.
- 4.3 Every modification to the type of PFD itself, its control of conformity of production, its design, materials and marking, marking of its packaging material and information for users that shall accompany it when supplied as required by the applicable South African National Standards, shall be formally notified accordingly to the NRCS prior to implementation.
- 4.4 The approval granted for the type of PFD identified in this certificate may be withdrawn at any time without prior notice if the requirements of VC8032:2009 have not been maintained.

5. Approval granted

Place: **Pretoria**

Date: **15/10/2010**

T. Magolego (Mrs.)
Manager: Approvals
NRCS CMM Division

Inspector
NRCS CMM Division



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6. Manufacturer

Name:

Physical address:

7. Reference documents

The following documents, bearing the type approval number shown below, are attached to this certificate:

- **Drawings, diagrams, plans and photographs of the type of PFD;**
- **Details of the marking of the type of PFD;**
- **Details of the marking of the packaging for the type of PFD;**
- **Information for users for the type of PFD;**
- **Minimum requirements for satisfactory arrangements to ensure effective control of the conformity of production for the type of PFD;**
- **Details of the body that will undertake control of conformity for the type of PFD;**
- **Details of the schedule for control of conformity for the type of PFD.**

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