



# COMMISSIONING REPORT 24V

## Instruction Page

Thanks for your interest in Saft's products & services and downloading this document.

This Ni-Cd battery commissioning report consists of this instruction page and 5 sections.

|   |
|---|
| The Cover page                                      |
| PART A: Charging record                             |
| PART B: Discharge record (not for capacity purpose) |
| PART C: Re-charging record                          |
| PART D: Capacity test record                        |

This commissioning shall be performed by a qualified & trained personnel.

**IMPORTANT:** Please strictly follow Saft **Installation and Operating Instructions** sheet which has been provided in the battery shipment packaging.

Installation and Operating Instructions sheet can also be downloaded from our website on [www.saftbatteries.com](http://www.saftbatteries.com)

Note that Saft can perform the commissioning for you.

Please contact your local Saft's representative on [www.saftbatteries.com](http://www.saftbatteries.com) for more details.

This PDF file format can also be filled in directly on a PC for easier electronic forward back to Saft.

Please use **Adobe Reader XI or newer**  
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Fax: + 46 491 681 10



# SAFT Nickel-Cadmium Batteries Commissioning Report

Ref N° \_\_\_\_\_

SAFT order acknowledgment n°: \_\_\_\_\_

Customer name: \_\_\_\_\_

End-user name: \_\_\_\_\_

Country & City: \_\_\_\_\_

Battery type: \_\_\_\_\_

Delivered: Filled and charged

Empty and discharged

No of cells: \_\_\_\_\_

Electrolyte: Solid

Liquid

Customer order reference: \_\_\_\_\_

Commissioning date (yy/mm/dd): \_\_\_\_\_

Battery location: \_\_\_\_\_

Project reference: \_\_\_\_\_

Date code (example 1306) \_\_\_\_\_

Charger manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

## Charging method

| Constant current         |         | Constant Voltage ( <i>I/U characteristics</i> ) |         | Charging time (yy/mm/dd & hh:mm): |           |
|--------------------------|---------|---|---------|-----------------------------------|-----------|
| Charging current (start) | _____ A | Charging current (start)                        | _____ A | Date from: _____                  | to: _____ |
| Charging voltage (start) | _____ V | Charging voltage (start)                        | _____ V | Time from: _____                  | to: _____ |
| Charging current (end)   | _____ A | Charging current (end)                          | _____ A |                                   |           |
| Charging voltage (end)   | _____ V | Charging voltage (end)                          | _____ V |                                   |           |

## PART A: CHARGING RECORD

*1st charge (0 to 15 hours)*

| No. Hours          | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Time (hh:mm)       |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Charg. voltage     |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Charg. current     |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Ambient T (°C)     |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Electrolyte T (°C) |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |

Cell N°

|    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)

## PART A: CHARGING RECORD

1st charge (16 to 30 hours)

| No. Hours          | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Time (hh:mm)       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Charg. voltage     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Charg. current     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ambient T (°C)     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Electrolyte T (°C) |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Cell N°

|    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Commissioning carried out by:

Acceptance (customer) carried out by:

Acceptance (end-user) carried out by:

|                 |  |                 |  |                 |  |
|-----------------|--|-----------------|--|-----------------|--|
| Company name    |  | Company name    |  | Company name    |  |
| Signature       |  | Signature       |  | Signature       |  |
| Name            |  | Name            |  | Name            |  |
| Date (yy/mm/dd) |  | Date (yy/mm/dd) |  | Date (yy/mm/dd) |  |

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)

## PART B: DISCHARGE RECORD *(not for capacity purpose)*

| No. Hours          | 0 | 1 | 2 | 3 | 4 | 4.25 | 4.5 | 4.75 | 5 | 5.5 |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---|---|---|---|---|------|-----|------|---|-----|--|--|--|--|--|--|--|--|--|--|--|
| Time (hh:mm)       |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| Discharg. voltage  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| Discharg. current  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| Ambient T (°C)     |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| Electrolyte T (°C) |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| Cell N°            |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 1                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 2                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 3                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 4                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 5                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 6                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 7                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 8                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 9                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 10                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 11                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 12                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 13                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 14                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 15                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 16                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 17                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 18                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 19                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 20                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 21                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |
| 22                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |  |  |  |  |  |

Commissioning carried out by:

Acceptance (customer) carried out by:

Acceptance (end-user) carried out by:

|                 |  |                 |  |                 |  |
|-----------------|--|-----------------|--|-----------------|--|
| Company name    |  | Company name    |  | Company name    |  |
| Signature       |  | Signature       |  | Signature       |  |
| Name            |  | Name            |  | Name            |  |
| Date (yy/mm/dd) |  | Date (yy/mm/dd) |  | Date (yy/mm/dd) |  |

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)

## PART C: RE-CHARGING RECORD

### 2nd charge (0 to 15 hours)

| No. Hours          | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| Time (hh:mm)       |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Charg. voltage     |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Charg. current     |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Ambient T (°C)     |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| Electrolyte T (°C) |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |

#### Cell N°

|    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)

## PART C: RE-CHARGING RECORD

## 2nd charge (16 to 30 hours)

| No. Hours          | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|--------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Time (hh:mm)       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Charg. voltage     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Charg. current     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ambient T (°C)     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Electrolyte T (°C) |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

### Cell N°

|    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

### Commissioning carried out by:

### Acceptance (customer) carried out by:

### Acceptance (end-user) carried out by:

|                 |  |                 |  |                 |  |
|-----------------|--|-----------------|--|-----------------|--|
| Company name    |  | Company name    |  | Company name    |  |
| Signature       |  | Signature       |  | Signature       |  |
| Name            |  | Name            |  | Name            |  |
| Date (yy/mm/dd) |  | Date (yy/mm/dd) |  | Date (yy/mm/dd) |  |

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)

## PART D: CAPACITY TEST RECORD

| No. Hours          | 0 | 1 | 2 | 3 | 4 | 4.25 | 4.5 | 4.75 | 5 | 5.5 |  |  |  |  |  |  |
|--------------------|---|---|---|---|---|------|-----|------|---|-----|--|--|--|--|--|--|
| Time (hh:mm)       |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| Discharg. voltage  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| Discharg. current  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| Ambient T (°C)     |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| Electrolyte T (°C) |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| <b>Cell N°</b>     |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 1                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 2                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 3                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 4                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 5                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 6                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 7                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 8                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 9                  |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 10                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 11                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 12                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 13                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 14                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 15                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 16                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 17                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 18                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 19                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 20                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 21                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |
| 22                 |   |   |   |   |   |      |     |      |   |     |  |  |  |  |  |  |

Commissioning carried out by:

Acceptance (customer) carried out by:

Acceptance (end-user) carried out by:

|                 |  |                 |  |                 |  |
|-----------------|--|-----------------|--|-----------------|--|
| Company name    |  | Company name    |  | Company name    |  |
| Signature       |  | Signature       |  | Signature       |  |
| Name            |  | Name            |  | Name            |  |
| Date (yy/mm/dd) |  | Date (yy/mm/dd) |  | Date (yy/mm/dd) |  |

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)