

## Part B - Health Facility Briefing and Planning

### 390 INTENSIVE CARE - NEONATAL / SPECIAL CARE NURSERY

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#### INTRODUCTION

##### Description

390 .2.00	The Neonatal Intensive Care Unit (NICU) or Special Care Nursery (SCN) is an Intensive Care Unit equipped and staffed to care for sick neonates requiring long term life support eg ventilation and advanced life support.
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#### PLANNING

##### Planning Models

390 .3.00	The Neonatal Intensive Care (NICU) and Special Care Nursery (SCN) areas shall have a clearly identified Entrance and Reception Area for families. The area shall permit visual observation and contact with all traffic entering the unit.
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##### Functional Areas

390 .4.00	The Neonatal Intensive Care / Special Care Nurseries will consist of the following Functional Areas: <ul style="list-style-type: none"><li>- Patient Treatment Areas including Cot Bays, Isolation Rooms as appropriate, Treatment Rooms</li><li>- Support Areas including a Bathing/ Examination area, Feeding area, Formula room, Store areas, Utilities, Cleaner's Room, Disposal</li><li>- Staff Areas including Staff Station, Offices, Meeting Rooms and Staff Amenities</li><li>- Visitors' facilities which may include access to Lounge or Waiting areas, Public Amenities and Overnight Accommodation as appropriate.</li></ul>
390 .5.00	OVERNIGHT ACCOMMODATION  Sleeping space may be needed for parents who may be required to spend

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long hours with the neonate. This space may be separate from the NICU/ SCN, but must be in communication with the NICU/ SCN.

- 390 .6.00 Physicians' sleeping facilities, with access to a toilet and shower shall be provided. If not contained within the NICU / SCN itself, the area shall have a telephone or intercom connection to the patient care area.

### 390 .7.00 PATIENT TREATMENT AREAS

Each patient treatment area in the NICU is to be 12 m2 and the SCU is to be 10 m2 excluding sink and aisles. There shall be circulation adjacent to each cot bay.

Resuscitation Bay / Treatment Area as per NICU Patient Treatment area is to be included in the SCN.

A clinical handbasin is to be provided for every two NICU beds and every four SCN beds.

### 390 .8.00 SUPPORT AREAS

A Respiratory Therapy Work Area and Storage Room shall be provided as required by the Operational Policy.

### Functional Relationships

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- 390 .9.00 The Intensive Care - Neonatal/ Special Care Nursery should be a distinct Unit located with ready access to the Obstetric Unit, Operating Unit, Maternity Inpatient Unit and Pathology Unit. There shall be no traffic to other Units through this Unit.

There should be efficient and controlled access to the NICU / SCN from the Labour and Delivery Area, the Emergency Unit, or other referral entry points.

## DESIGN

### Doors

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- 390 .10.00 At least one door to each room in the NICU/ SCN must be large enough to accommodate portable X-ray equipment. Both width and height must be considered.

### Environmental Considerations

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#### 390 .11.00 ACOUSTICS

In the interest of noise control, sound attenuation shall be a design factor.

### Infection Control

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#### 390 .12.00 ISOLATION ROOM/S

An Isolation Room (type N) is required in the NICU. The room shall be enclosed and separated from the Nursery Unit with provisions for observation of the infant from adjacent nurseries or control area/s.

### Lighting

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- 390 .13.00 Provisions shall be made for indirect lighting and high-intensity lighting in all nurseries.

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Note: All general lighting shall be colour corrected to natural.

### COMPONENTS OF THE UNIT

#### Introduction

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- 390 .14.00 The Neonatal Intensive Care Unit/ Special Care Nursery will consist of a combination of Standard Components and Non-Standard Components.

Standard Components must comply with details in Standard Components described in these Guidelines. Refer also to Standard Components Room Data Sheets.

#### Standard Components

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- 390 .15.00 Provide the Standard Components as identified in the Schedule of Accommodation.

#### Non-Standard Components

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- 390 .16.00 Provide the Non-Standard Components as identified in this section and in the Schedule of Accommodation, according to the Operational Policy and Functional Brief.

- 390 .17.00 CONSULT/ BREAST FEEDING AREA

##### DESCRIPTION AND FUNCTION

A Consult/ Breast Feeding Room shall be provided to be used for demonstrations, breast feeding or using breast pumps.

The Consult/ Breast Feeding Room shall be a minimum of nine m2.

- 390 .18.00 LOCATION AND RELATIONSHIPS

The Consult/ Breast Feeding Room/s shall be located with convenient access to the NICU/SCN.

- 390 .19.00 CONSIDERATIONS

The Consult/ Breast Feeding Room will require the following:

- A bench with an inset sink
- Comfortable chairs suitable for breastfeeding
- Refrigerator/ freezer
- Storage for pump and attachments
- General power outlets for use of a breast pump
- Access to educational material either within the room or conveniently located nearby.

The room will require visual and acoustic privacy.

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## APPENDICES

### ICU-Neonatal/ SCN Generic Schedule of Accommodation

390 .20.00 Schedule of Accommodation for a Neonatal ICU/ Special Care Nursery at Levels 4, 5 and 6:

ROOM / SPACE	Standard Component			Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
BATHING / EXAM AREA				1 x 8	1 x 12	1 x 12	
BAY - BEVERAGE	yes			1 x 3	1 x 3	1 x 3	Locate near Meeting Room
BAY - HANDWASHING	yes			6 x 1	12 x 1	12 x 1	
BAY - LINEN	yes			1 x 2	3 x 3	3 x 3	Levels 5 & 6 includes area allowance for Blanket Warmer
BAY - MOBILE EQUIPMENT	yes				1 x 4	2 x 4	
BAY - RESUS TROLLEY	yes			1 x 2	1 x 2	2 x 2	
CLEANER'S ROOM	yes				1 x 4	1 x 4	
CLEAN UTILITY	yes			1 x 12	1 x 12	2 x 12	
CONSULT / BREAST FEEDING				1 x 9	2 x 9	4 x 9	
ISOLATION ROOM	see remarks			1 x 12	2 x 12	4 x 12	Refer to Standard Component - 1 Bed- Isolation
DIRTY UTILITY - SUB	yes			1 x 8	2 x 8	2 x 8	May be co-located with Disposal Room
DISPOSAL ROOM	yes			1 x 8 optional	1 x 8	1 x 8	
FORMULA ROOM	yes			1 x 9	1 x 15	1 x 15	
MEETING ROOM	yes				1 x 15	1 x 15	Also for use as Parent's Lounge
NEONATAL BAY - ICU	yes					20 x 12	NICU
NEONATAL BAY - SPECIAL CARE	yes			10 x 10	20 x 10	40 x 10	SCN
OFFICE - CLINICAL/ HANDOVER	yes				1 x 12	2 x 12	
STAFF STATION	yes			1 x 14	1 x 14	2 x 14	
STORE - EQUIPMENT	yes				1 x 20	2 x 20	
STORE - GENERAL	yes			1 x 9	1 x 15	1 x 30	Size according to amount of stock/ medical supplies to be accommodated
UTILITY - EQUIPMENT CLEANING					1 x 20	1 x 20	
CIRCULATION %				40	40	40	

390 .21.00 STAFF AND SUPPORT AREAS

Note: Offices and Support Areas are dependent on the Operational Policy and management structure:

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ROOM / SPACE	Standard Component			Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
BAY - BEVERAGE	yes					1 x 3	Co-located with Staff Room
OFFICE - SINGLE PERSON 9 M2	yes				2 x 9	2 x 9	Unit Manager
OFFICE - SINGLE PERSON 9 M2	yes				1 x 9 optional	2 x 9 optional	Nursing personnel, according to staffing establishment
OFFICE - SINGLE PERSON 9 M2	yes				1 x 9 optional	1 x 9 optional	Social Worker, according to staffing establishment
RECEPTION	yes					1 x 10	
WAITING	yes				1 x 10	1 x 10	May be shared

### 390.22.00 SHARED AREAS

ROOM / SPACE	Standard Component			Level 4 Qty x m2	Level 5 Qty x m2	Level 6 Qty x m2	Remarks
INTERVIEW ROOM	yes				1 x 9	1 x 9	
INTERVIEW ROOM	yes				1 x 12	1 x 12	Large for family groups
MEETING ROOM	yes				1 x 30	1 x 30	
OVERNIGHT STAY - BEDROOM	yes			1 x 10	1 x 10	1 x 10	May be located within the Unit or nearby
OVERNIGHT STAY - ENSUITE	yes			1 x 4	1 x 4	1 x 4	
PROPERTY BAY - STAFF	yes			1 x 6	1 x 10	1 x 15	
STAFF ROOM						1 x 15	
TOILET - DISABLED	yes				1 x 5	1 x 5	
TOILET - PUBLIC	yes				2 x 3	2 x 3	
TOILET - STAFF	yes			1 x 2	2 x 2	2 x 2	

### References and Further Reading

- 390.23.00
- American Institute of Architects, Guidelines for Design & Construction of Hospital & Healthcare Facilities, 1997
  - Department of Human Services, Victoria, Neonatal Services Guidelines: Defining levels of care in Victorian hospitals, 2004.
  - NSW Health, Design Series 18; Health Building Guidelines - Obstetric Unit, 1992.

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### FUNCTIONAL RELATIONSHIPS DIAGRAM - INTENSIVE CARE (NEONATAL)

