IPATS | CCRS Critical Care & Retrieval Services | Aer Chór na hEireann IRISH AIR CORPS

The Pilatus PC-12 is a fixed wing plane provided by the Irish Air Corp. It is used by IPATS to transfer infants and children overseas. The plane must be reconfigured for air ambulance missions and the life port loaded onto the plane before patient arrival.

Patient transfer is via specialized ramp from a standard Ferno trolley with the aerosled attached via the clip deck.

Patient is loaded headfirst into the craft and lies with their head towards the front of the plane.

Aircraft	PC 12
Standard altitude, cabin pressure and atmospheric P.	Up to 30,000ft. Cabin Pressure 6,500-7,500ft. Atmos P. 80-76 kPa
Standard patient base	Lifeport scan for more info
Patient bed	Aerosled mounted on clip deck
Loading mechanism	Load ramp from centre of plane – patient loaded headfirst
Fitting time for aeromedical use	1-3 hrs (if aircraft is at base)
Power considerations	Charging is not possible, just battery maintenance
Oxygen supplied	3000L in ZX cylinder
Suction supplied	No machine, port supplied on lifeport
IPATS engineering equipment needed	Clip deck straps Spare Batteries
Special considerations	Cabin pressure can be increased

Pt. loading video

Pt. Unloading video

Alveolar Gas Calc.

Typical Travel times from Baldonnell Aerodrome

Newcastle Airport	Liverpool Airport	Biggin Hill	Northolt	Manchester Airport	Leeds Airport
60min	45min	75min	75min	45 min	60min
Airport to Freeman	**Airport to Alder Hey**	**Airport to kings**	**Airport to GOSH**	**Airport to Manchester Children's**	**Airport to Leeds Children's**
20 minutes	20 minutes	45 minutes	40 minutes	15 minutes	20 minutes

IPATS AIR TRANSPORTS
Pre-Departure Checklist

Aer Chór na hÉireann — IRISH AIR CORPS

Equipment Checklist

- Aeromedical Red Bag ☐
- Patient specific Airway bag ☐
- Spare Massimo + batteries ☐
- iSTAT machine/Cartridges ☐
- Patient specific Drug/Fridge bag ☐
- Zoll monitor + relevant consumables ☐
- Hamilton + Relevant consumables ☐
- Braun Pumps x3 + 1 Infusomat ☐
- Appropriate ACRs ☐

- Spare battery bag ☐
- Additional equipment (as needed) ☐
  - I.e. USS/CMAC/iNO
- Sufficient Oxygen (calc completed) ☐
- Portable Suction + consumables ☐
- IPATS folder + Documentation ☐
- Transwarmer (if temp reg concerns) ☐
- All equipment connected and charging from central power bar ☐
- O2 cylinder opened on trolley ☐
- O2 hose plugged into ambulance ☐

Staff Checklist

- Passport emailed to NAC neoc.aeromedical@hse.ie ☐
- Mobile phones + charger ☐
- Jackets/layers ☐
- Food/Fluids ☐
- Anti emetics (if required) ☐
- Retrieval cash funds (overseas only) ☐
- AnnexF Form sent to neoc.aeromedical@hse.ie ☐

NAC DESK: 1850 211869

Patient Checklist

- Working Vascular Access x2 (IV/IO) ☐
- All balloon catheters filled with water ☐
- Gastric contents emptied ☐
- All pneumo-thorax/peritoneum/cephalus risks considered and mitigated where possible ☐
- CXR & labs reviewed ☐
- Sedation/muscle relaxation considered ☐

- Relevant scheduled medications given ☐
- Pt specific emergency medications drawn up ☐
- Age appropriate ear protection available ☐
- Sufficient blankets/layers ☐
- All pressure areas reviewed ☐
- Altitude associated complications identified and discussed with air crew – i.e. risk of desaturation, presence of any air leaks, need for inc. cabin pressure ☐

Communication Checklist

- Discharge Summary ☐
- PEWS sheet for past 24hrs ☐
- Drug Kardex ☐

- Recent laboratory results ☐
- CD of all relevant images ☐
- Numbers for parents/receiving unit/NAC desk ☐

- Accepting unit contacted to confirm time/bed ☐
- NAC desk contacted to confirm ambulance availability on arrival ☐

Parent/Guardian:

Name: _____

Number: _____

Parent/Guardian:

Name: _____

Number: _____

Referring Consultant:

Name: _____

Number: _____

Referring Ward:

Name: _____

Number: _____

Receiving Consultant:

Name: _____

Number: _____

Receiving Ward:

Name: _____

Number: _____