



Centre de recherche sur les Risques et les Crises

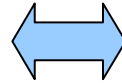
24 mai 2012 ■ ■

■ FRAM for monitor Application to patient safety

Does my system have the potential to perform correctly?

Human resources

Work environment



Situation

Does my system have the potential to perform correctly?

Human performance variability

Resistance to fatigue, aptitude, training, availability, specific knowledge (tool, method, tasks, etc.), ability to communicate, etc.

Work environment variability

Support availability, technical environment, team working, available time, etc.

Variability propagation vector

Shared document, resources availability, time availability, information, etc.

Does my system have the potential to perform correctly?

Context

Drug circuit

Model

Drug Circuit functions

Tool

Drug Circuit Scorecard

Drug Circuit

Prescribe

Validate

Prepare

Stock Final product

Transport

Stock Final product

Administrate

Follow

Exit

Stock Initial product

Eliminate

Does my system have the potential to perform correctly?

Context

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Drug Circuit functions

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Does my system have the potential to perform correctly?

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Drug circuit

Model

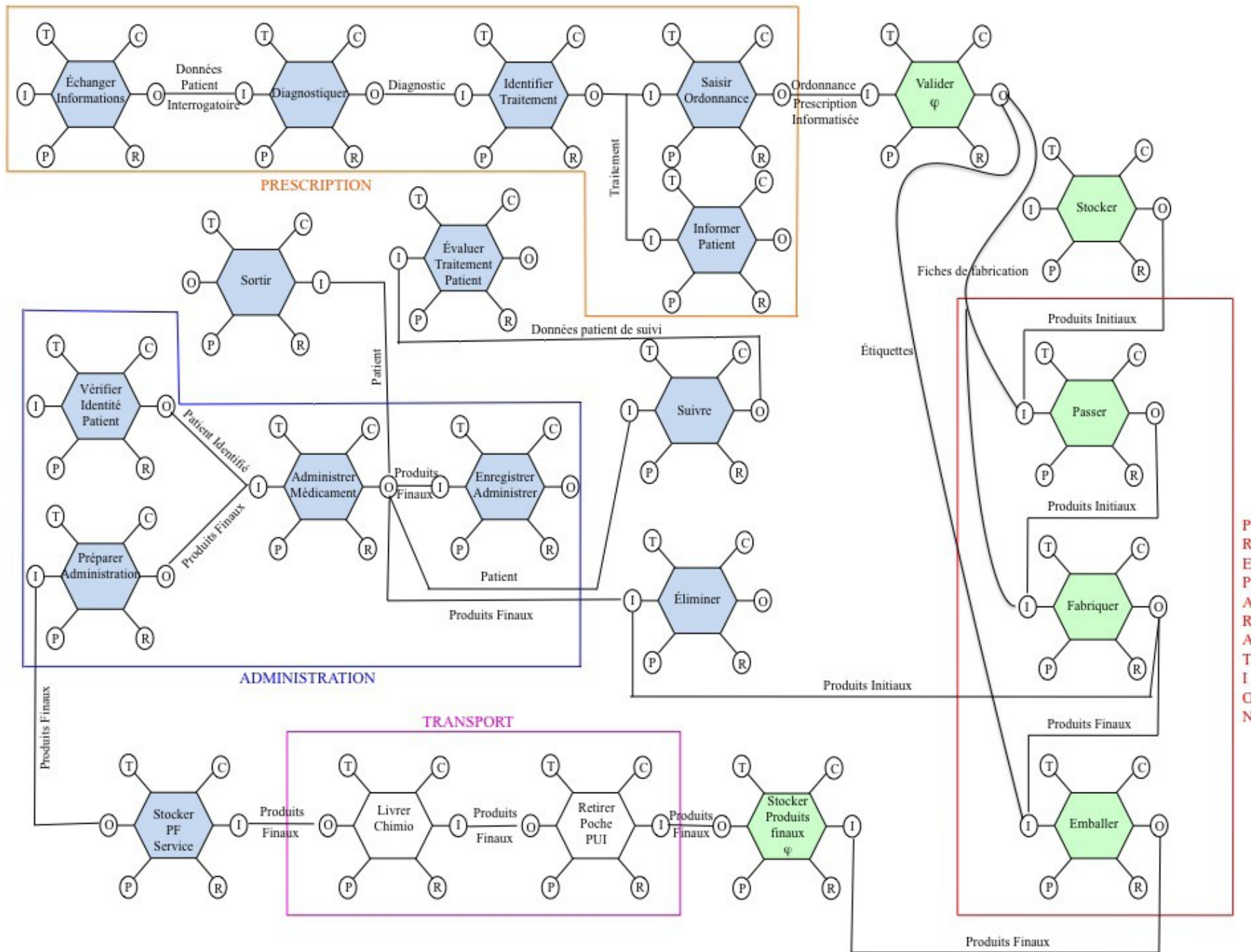
Drug Circuit functions

11 functions

24 sub functions

Tool

Drug Circuit Scorecard



PREPARATION

Name of the function	<doctor>.ExchangeInformation
Description	Doctor exchange information with patient and/or family in order to identify symptoms that will support the definition of the treatment
Aspects	
Input(s)	Patient file
Output(s)	Patient file updated and registred
Precondition	
Resource(s)	Questionnaire, Clinicom software
Control(s)	doctor expert
Time	

Endogeneous variability

Resistance to fatigue	[Absent, No satisfactory, satisfactory, Excellent]
Aptitude	[Absent, No satisfactory, satisfactory, Excellent]
Training	[No training, Training in progress, partially, partially with complementary training in progress, totally trained, expert]
Habit with Clinicom	[none, partialy know, satisfactory, expert]
Communication	[0-3]

Exogeneous variability

Avallability of support	[Absent, No available, low avallability, available]
Avallability questionnaire	[Absent, No available, low avallability, available]
Room	[Critic, unadapted, adapted, excellent]
Team collaboration	[critic, no satisfactory, satisfactory, excellent]
Organisation	[critic, no satisfactory, satisfactory, excellent]

Coupling variability

Avallability Doctor	[Absent, No available, low avallability, available]
Patient.Communication	[0-3]
Avallable time	[Optimal, Inferior, Superior]

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FRAMDEC

Centre Hospitalier Universitaire de Nice Hôpital de l'Archet

- Contexte
- Simulation
- Diagnostic
- Déclaration d'incidents

Contexte du diagnostic

Date	
Date :	8 Juin 2012
Période :	<input type="radio"/> Matin <input checked="" type="radio"/> Après Midi <input type="radio"/> Soir, weekend, jours fériés

Activité journalière	
Nombre de poches :	simples 98
	complexes 25
Nombre de prescriptions :	simples 29
	complexes 15

Technologies	
Technologie	<input checked="" type="radio"/> Sans technologie
	<input type="radio"/> Automate
	<input type="radio"/> RFID
	<input type="radio"/> Automate + RFID

Enregistrer

Ressources	
Ressources	Nom et Prénom
Pharmaciens	<input type="checkbox"/> Collomp Rémy
	<input type="checkbox"/> Dantin Thomas
	<input checked="" type="checkbox"/> Mirfendereski Nassir
	<input type="checkbox"/> Retur Nicolas
	<input type="checkbox"/> Ruitort Sandra
Préparateurs	<input type="checkbox"/> Abdelkader Katia
	<input type="checkbox"/> Battaglia Véronique
	<input type="checkbox"/> Causse Nathalie
	<input type="checkbox"/> Chanut Véronique
	<input checked="" type="checkbox"/> Corajod Virginie
	<input type="checkbox"/> Dejean Elka
	<input type="checkbox"/> Dompe Jérôme
	<input type="checkbox"/> Ferloni Elodie
	<input checked="" type="checkbox"/> Ferro Audrey
	<input checked="" type="checkbox"/> Galli Emilie
	<input checked="" type="checkbox"/> Hueso Floriane
	<input checked="" type="checkbox"/> Mezzina Laurent
	<input type="checkbox"/> Paul Sandra
	<input checked="" type="checkbox"/> Santini Elizabeth
	<input type="checkbox"/> Taulanne Sandy
<input type="checkbox"/> Verone Stéphanie	

Technologie

- Sans technologie
- Automate
- RFID
- Automate + RFID

Enregistrer

- Préparateurs**
 - Ferloni Elodie
 - Ferro Audrey
 - Galli Emilie
 - Hueso Floriane
 - Mezzina Laurent
 - Paul Sandra
 - Santini Elizabeth
 - Taulanne Sandy
 - Vergne Stéphanie
 - Wermeister Romain
- Infirmier**
 - Bacca Virginie
 - Infirmière1
 - Infirmière2
 - Infirmière3
 - Infirmière4
 - Infirmière5
- Manutentionnaires**
 - Bradi Laurent
 - Carletti Alain
 - Manera Steve
 - Moche Yvan
 - Vahe Guillaume
- Médecins**
 - Interne1
 - Interne2
 - Mounier Nicolas
 - Vinti Henri
- Patients**
- Entourage**

FRAMDEC

Centre Hospitalier Universitaire de Nice

Hôpital de l'Archet

- Contexte
- Simulation**
- Diagnostic
- Déclaration d'incidents

- Echanger Information ●
- Diagnostiquer ●
- Identifier traitement ●
- Informer patient ●
- Saisir ordonnance ●

- Evaluer traitement ●
- Enregistrer administration ●
- Administrer poche ●
- Vérifier identité patient ●
- Préparer administration ●
- Stocker produits finaux ●

- Valider pharmaceutiquement ●
- Passer ●
- Fabriquer ●
- Emballer ●
- Stocker produits initiaux ●

- Livrer chimiothérapie ●
- Retirer dispositif PUI ●
- Stocker produits finaux ●

Next steps

Validation of the functions

Develop a feedback module

Develop an event registration module

Develop a periodic rapport module

Integrate Resilience Analysis Grid