

## Optical Character Recognition using Tesseract

Written By: Migui Phillip G. Galan

Optical Character Recognition (OCR) is a technology that transforms printed or handwritten text into machine-encoded text. It plays a vital role in digitizing documents, automating data entry, and enabling text analysis for a wide range of applications. One of the most powerful and widely-used OCR engines available today is Tesseract.

Now, to challenge ourselves. We will try recognize characters from images.

## Image acquisition



To start with, we will use the DOH forms (clear images can be seen below) provided in this challenge. These will be printed out to be filled with dummy data. Next, a scanner reads these documents and converts them to PNG images which we will use for the next step.

## **Text recognition tool**

After multiple flavor taste from the suggested tools, I found Tesseract as my go-to tool for this activity mainly because it's an open-source code and its popularity in qualitative OCR-library.

## How does it work?

Tesseract is finding templates in pixels, letters, words and sentences. It uses two-step approach that calls adaptive recognition. It requires one data stage for character recognition, then the second stage to fulfil any letters, it wasn't insured in, by letters that can match the word or sentence context.

## Installation

```
sudo apt install tesseract-ocr
```

## **Running Tesseract**

Tesseract is a command-line program, so first open a terminal or command prompt. The command is used like this:

```
tesseract imagename outputbase [-l lang] [-psm pagesegmode] [configfile...]
```

So basic usage to do OCR on an image called 'img001.png' and save the result to 'img001.txt' would be:

```
tesseract img001.png img001
```

Finally, to view the generated result. We will locate the .txt file within the working directory which should be 'img001.txt'.

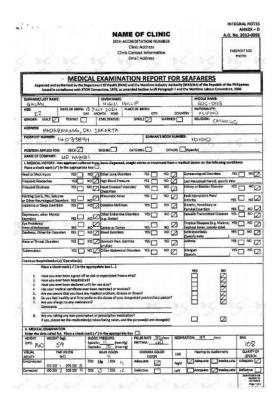


We will repeat this process until we have completely converted all images into encodedtext.

## What are the results?

As the result was satisfactory for our use case, we will now match the accurateness of the encoded characters with the images. We won't be using any tools for this to test the accurateness but we will solely rely on observation.

## img001.png



## img001.txt

```
AM, RIGBUL PRILLED GOC-UNG

:: DATE OF BERTH: ($ SULN 20244 | PLACE OF BERTH: NATIONALETY:

DAY MONTH VERS CTTY COUNTRY | FILEP RO

DIDEN: MALE(?) FERNALE (] CEVIL STATUS: SINGLEL?] MARRIED[ | REUGIONS CATS LC,

RESS: CANDAWANG, OKI JANANTA
Previous Hospitalization(s)/ Operation({s).
Place a check mark [ / ] in the appropriate box 1.
```

Error	Correct	Error	Correct
fram	from	@ladder	Bladder
MIG@ULPRILLWP	MIGUI PHILLIP	(5 SULN 20244	13 JULY 2024
42	22	FILIP RO	FILIPINO
CADAQAYKANG,	PADARAMANG,	440 BAKBIO\	UD HABIBI
OKI	DKI	Pther	Other
. agay	16033894	lst	list

## img002.png

## img002.txt



# A YES Significant Findings A YES Significant Findings CC YES Significant Findings Neck, Lymph Nodes, Canito-urlnary - Kt Thyroid System [4 Head, neck, scalp "1 (hest-Breast-Axilla oe [7] Eyes, external 7) Lungs 7] Extrentites Puplis. Ears Z] Abdomen (Teeth/Gums) Nose, Sinuses I Bock Y) ADDITIONAL TEST(S) (Specify), e.g. Blood Chemistries, Drug Test, Alcohal Test, Liver Function Test, Stool Culture ate. N ON NAME AND SIGNATURE OF EXAMINING/AUTHORIZED PHYSICIAM: OR. NAULANIA HARSUD LICENSENUMBER: ARFLMS ADDRESS: DUMANG, PKT SAKARTA N, NICETIFFILIAIP G- (0- \\-2024 AND SIG IRE OF SEAFARER DATE SCHAMINE SMOULD SE AFFERED IN PRESENCE OF THE EXAMINING PHYSICIAM AGRACIAN RESIDECTIONS (DUTES) AGRACIAN RESIDECTIONS (DUTES) BY THE STATE OF THE

## List of mistaken text:

Error Correct Error Correct

NIGETTPHILMIP MIGUI PHILLIP Notto Not to

SIG IRE SIGNATURE Specotneeds Special needs

Na sola No solo b6€ be

ke be iift lift

laokout lookout doylight daylight

Necr-scogstal Near coastal sofe safe

OR. NAULANIA DR. MAULANIA Ophthalmoscoptc Ophtalmoscopic

## img003.png

# MEDICAL EXAMINATION REPORT FOR LANDBASED OVERSEAS WORKERS Approved and authorized by the Department Of Health (DOH) GRAND, NIGULI GRAND, NI

## img003.txt

```
MEDICAL EXAMINATION REPORT FOR LANGBASED OVERSEAS NORMERS

Approved and authorized by the Department of Health (COH)

SURRAME/LAST NAME: GIVEN NAME: MIDGLE NAME: A

COMMON, MIDGI PRILLIP GOC- GOM

SURRAME/LAST NAME: GIVEN NAME: MIDGLE NAME: B

COMMON PRINCIP COC- GOMEN

ON THE PROME FROME CYTL STATUS: SINGLE NAME:ED

(4 C) [4] C oc & Cob.

MERCE PROMED COC: SALASTA

PAGE COMMON PAGE CITY COUNTRY EMPLOYERS RECOLUMNENT ACCROST (WHENEVER

DOGLE ON THE PROME CYTL STATUS: SINGLE NAME:ED

(4 C) [4] C oc & Cob.

MERCE PROMED COC: GOMEN OF COUNTRY EMPLOYERS RECOLUMNENT ACCROST (WHENEVER

DOGLE ON THE COMMON OF COUNTRY EMPLOYERS RECOLUMNENT ACCROST (WHENEVER

DOGLE ON THE COMMON OF COUNTRY EMPLOYERS RECOLUMNENT ACCROST (WHENEVER

DOGLE ON THE COUNTRY OF THE COUNTRY EMPLOYERS ACCOUNTRY TO THE MOORE GOVERNOR

PROVED AND THE COUNTRY OF THE COUNTRY EMPLOYERS ACCOUNTRY TO THE MOORE GOVERNOR

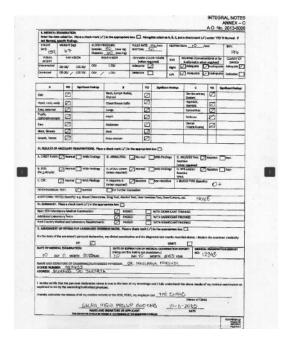
PROVED AND THE COUNTRY OF THE COUNTRY EMPLOYERS ACCOUNTRY TO THE MOORE GOVERNOR

PROVED AND THE COUNTRY OF THE COUNTRY EMPLOYERS ACCOUNTRY TO THE MOORE GOVERNOR

PROVED AND THE COUNTRY OF THE COU
```

Correct	Error	Correct
MIGUI	ELIORY OK	EMORY, DK
UD HABIBI	TAKARTA	JAKARTA
13 JULY 2024	lergies	allergies
Has applicant	Dsorders	Disorders
suffered from,	Bexually	Sexually
been diagnosed, sought advice or treatment from a medical doctor on the following	Spetis	Spell
	MIGUI UD HABIBI 13 JULY 2024 Has applicant suffered from, been diagnosed, sought advice or treatment from a medical doctor on	MIGUI ELIORY OK TAKARTA  13 JULY 2024 lergies  Dsorders  Bexually been diagnosed, sought advice or treatment from a medical doctor on the following

## img004.png



## img004.txt

```
ANNEX - C
A.O. No. 2013-8666
                              gntricent Findings B Fes | significant
h Nodes, Genito-urinary | [7]
id 4) system
, scalp chest-Sreast-Axiliz Ya pny Do
rnal Lungs L Extrenities dw
Basic DDH Mandatory Medical Examination: L2] Passed | | NITH SIGNIFICANT FINDINGS
Additional Laboratory Texts: PASSED WITH SIGNIFICANT FINDINGS
Host Country Medical and Laboratory Requirements: PASSED WITH SIGNIFICANT FINDING
```

Error	Correct	Error	Correct
Plece	Place	Normai	Normal
HIGUI PEELLIP	MIGUI PHILLIP	}	1

CLG **CLINIC** {O- \\- 20% 10-11-2033 **ADpREss ADDRESS** 6 F(o 987655 DR. NAULAN DR. MAULANIA BUNANG, DKI DUNN VE (A HARSUD\ MARSUDI SAKRETA **JAKARTA** 

## img005.png

## ANNEX - I A.O. No. 2013-0006 NAME OF CLINIC Address Contact Information E-mail address HUMAN IMMUNODEFICIENCY VIRUS (HIV) SCREENING TEST CERTIFICATE This is to certify that Mr./Ms. GALAN, NIGUL PHILLIP G. has undergone screening test for HIV/Acquired Immunodeficiency Syndrome (AIDS), and was found to be Non-Reactive\* Reactive\* based on laboratory test (HIV-1/HIV-2). DR. MAULANIA HARSADI Examining Physician License No. 987455 Date of Medical Examination 10-11-2025 Picture LABORATORY REPORT Date: 10-11-2025 Name: GALAN, MIGNI PANLAP G. Age: 22 Sex: M. Civil Status: SINGLE Address: PAD ARANANG, DKI JAKARTA Human Immunodeficiency Virus Types I (HIV-I) and (HIV-2) as a screening test for HIV/AIDS: Screening Test Used: (please check) ∠ RAPID Particle Agglutination ELA / CMIA / ELFA Others (specify) RESULT\* NONREACTIVE REACTIVE HAULANIA HARSUDI, RN Medical Technologist HIV Profesioney Cert. No. 4901 Expiry date 10\*10-1200 HARSUDI HAULANIE, RN

## img005.txt

```
AMON NO 2023-0000

NOME OF CITIES
AND NO 2023-0000

NOME OF CITIES
AND NO 2023-0000

NOME OF CITIES CONTROLLED

FINAL INSTRUMENTARIZED

THAT IS TO CONTROLLED YIRUS (NIV) SCREENING

THAT IS TO CONTROLLED YIRUS (NIV) SCREENING

THAT IS TO CONTROLLED YIRUS CANAN, MICHAIN SHLIP G:

THAT IS TO CONTROLLED YIRUS CANAN, MICHAIN SHLIP G:

THE MAN INCLUDED YIRUS CANAN, THE CONTROLLED YIRUS CANAN, MICHAIN SHLIP G:

THE MAN INCLUDED YIRUS CANAN, THE CONTROLLED YIRUS CANAN, MICHAIN SHLIP G:

THE MAN INCLUDED YIRUS CANAN, THE CONTROLLED YIRUS
```

Error	Correct	Error	Correct
NIGUA PHELLIP	MIGUI PHILLIP	N_	М

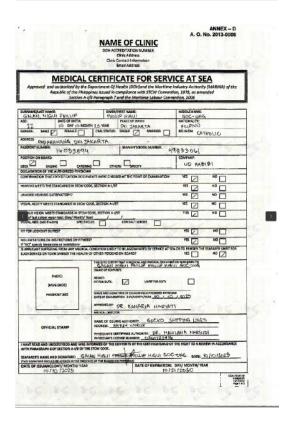
te to PAO ARAMANG, PADARAMANG,
NARSUD, MARSUDI PKI TAKARTHE DKI JAKARTA
HAULANIE MAULANIE 10710 10-10

gaa V
£TOLICINCY Vere
ino.

HIV Proficiency

Cert. No.

## img006.png



## img006.txt

NAULANIA

HARSUDI @N

**MAULANIA** 

MARSUDI, RN

```
Let No. 201-886

DATE OF CIRITY

DATE AGENTATION NUMBER

CINES CONTROLLED NUMBER

CONTROLLED CHITTE 'AT SEA

MODICAL CENTRIC 'AT SEAL 'AT SEA

MODICAL CENTRIC 'AT SEAL 'AT SEAL 'AT SEAL 'AT SEAL 'AT SEA

MODICAL CENTRIC 'AT SEAL 'AT SEA 'AT SEAL 'AT SE
```

Error	Correct	Error	Correct
Clinle	Clinic	FUALLIP WIGU\	PHILLIP MIGUI
CERTIFIC '	CERTIFICATE	FIUPINO	FILIPINO
GRLAN,	GALAN	CATHOLIO	CATHOLIC
DK	DKI	9 % {©	23
\eooggauyu 44293	49833061	vig	10
UD HABID\	UD HABIBI	<b>\</b> ©	10
(0/(Q 1/1024	10/10/2023	_GALAN H\GU\ encom Acie W\G@UL_GOC- ONG.	GALAN, MIGUI PHILLIP PHILLIP MIGUI GOC-ONG

## img007.png

## img007.txt

HEALTH	FACI		epublic of Departm AND SE	ent of He	alth	ATOR	Y BURE	AU
								ANNEX-
TABULA	TED P	SVCH	OI OGIC	AI EVA	LUATIO	N POI		2010-000
Name: GALAN, MIGU Position Applied for As Referred by: CFO, DEN Date of Examination: oc TEST ADMINISTERE Intelligence Test Personality Test Others:	PAILL SISTANT VER NU CT. 28, 2 D (IQ):	IP G.	auc-0		g' h	5		
I. INTELLECTU.		EL:						
( ) Very Super	ior:		( ) Av	A CONTRACTOR		mally D	eficient	
(—) Superior			( ) Bei	low Average				
( ) Above Avo	таде		( ) Boo	nderline				
PERSONALITY						-	_	3
SENSE OF RESPONSIBILITY	Very Low	2 Low	Low Average	4 Average	5 High Average	6 High	7 Very High	
Perseverance	-		Average		Average		enge	
Obedience			W		100	1		
Self-discipline/Orderly Enthusiasm						/		
Enthusiasm Initiative	-	-	-	-			/	
LUMBAUTE		1			1	1	/	
EMOTIONAL STABILITY	1	2	3	4	5	6	7	
Can withstand boredom and work alone						1		
Tolerance to stress, pressures and inconveniences					31	1		
Faces reality		18.5			100	1		
Confidence	7	1	100			1	9	
Relaxed						1		
OBJECTIVITY	1	2	3	4	5	6	7	
		1					/	
		1					1	
Adaptability	_	_						
Tough-mindedness Adaptability Practicality							/	

# Republic of the Philippines Department of Health HEALTH FACILITIES AND SERVICES REGULATORY BUREAU

Error	Correct	Error	Correct
MIGU)	MIGUI		

## img008.png



## img008.txt



## List of mistaken text:

**VANDALSS** 

Error Correct Error Correct

DRTIM DR. TIM

## **Unlocking Tesseract OCR's Potential**

**HANDALSS** 

Our observations reveal that Tesseract OCR, while a powerful tool, can be sensitive to image quality, resulting in inaccuracies, especially with unclear images. Intricate characters like 'O,' 'D,' and 'P' are sometimes misinterpreted, and small letter 'L' and capital letter 'i' are occasionally confused. Moreover, it's crucial to ensure that handwritten characters are well-formed and clear as well to recognize them accurately.

To harness Tesseract's full potential, we recommend combining it with complementary libraries such as OpenCV, ImageMagick, or Pillow, which can enhance image preprocessing and overall accuracy. By addressing image quality and using Tesseract in conjunction with these libraries, users can significantly improve the precision and reliability of optical character recognition tasks.

Remember, Tesseract OCR, when coupled with the right tools and best practices, can provide exceptional results in text recognition, making it a valuable asset in various applications.

Finally, there are other OCR options available, each with its unique strengths for specific projects and it's advisable to explore alternative OCR tools and assess which one best suits your needs to ensure the highest level of accuracy and efficiency.

## **DOH Forms**



## NAME OF CLINIC

DOH ACCREDITATION NUMBER Clinic Address Clinic Contact Information Email Address INTEGRAL NOTES ANNEX – D A.O. No. 2013-0006

> PASSPORT SIZE PHOTO

		rized by the E	epartme	XAMIN. nt Of Health (Di ention, 1978, as	OH) and the M	Marıtime	Indu	stry A	thority (	MARINA) of the	Repub			
SURNAME/L			C.F COMP	GIVEN NAME:			.,			MIDDLE				
					B) 465 0									
AGE:				NTH YEAR	PLACE OF B	c	ITY		COUN					
GENDER: N	MALE	FEMALE	]	CIVIL STATUS:	SING	LE		MARRI	ED 🔲	RELIGIO	1:			
ADDRESS:														
PASSPORT N	UMBER:					SEAN	1AN'S	воок	NUMBER	t:				
POSITION AP		DECK 🗆	1	ENGINE .	CATERIN	6 🗀		от	HERS	(Specify)				
NAME OF CO														
	ISTORY - Has a mark (✔) in ti			been diagnose	d, sought adv	ice or t	reatm	ent fro	m a med	ical doctor on t	he follo	wing condit	ions:	
Head or Neck I	njury	YES	NO	Other Lung Dis	orders	YES [		NO		Synaecological I	Disorde	rs YE	S N	WO
Frequent Head		YES	NO	High Blood Pres		YES		NO		ast Menstrual i				
Frequent Dizzir		YES	NO .	Heart Disease/ Chest Pain		YES [	Ξ.	NO I	$\Box$	(idney or Bladd		der YES	,	<b>"</b>
Fainting Spells, or Other Neuro	Fits, Seizures ological Disorde	ers YES	NO.	Rheumatic Feve	er	YES [		NO	_	Back Injury/Join Arthritis		YES	□ N	10 C
Insomnia or Sle		YES	NO	Diabetes Mellit	ues	YES		NO		Senetic, Heredit Samilial Disorde		YES	. П N	o [
Depression, atl	her Mental	YES	NO C	Other Endocrin (e.g. Goiter)	e Disorders	YES		NO		exually Transm		iseases YES	N	0
Eye Problems/		YES -	N <sub>O</sub>	Cancer or Tum		YES [		NO		Tropical Disease Typhoid Fever, 1			5 🔲 N	° 🗆
Error of Refract Deafness, Othe	er Ear Disorders		NO	Blood Disorder		YES [		NO		schistosomiasis Specify date:	респу	YES	NO.	° 🗆
Nose or Throat	Disorders	YES	NO	Stomach Pain, or Ulcer	Gastritis	YES		NO		Asthma		YES	□ N	°Ē
Tuberculosis		YES	мо 🔲	Other Abdomir	al Disorders	YES [		NO [		Allergies Specify		YES	S	° $\sqsubset$
Previous Hospi	talization(s)/O	peration(s).								.,,.				
Pl	ace a check ma	ırk (✓) in the	appropri	ate box						YES		NO		
2. Ha 3 Ha 4 Ha 5. Ar 6. Do 7. Ar	ave you ever be ave you ever be as your medical te you aware th	en hospitalize en declared u I certificate ev at you have a thy and fit to p	ed? Infit for se er been re ny medica Jerform th	repatriated from a duty? estricted or revo al problem, dise ne duties of your	oked? ase or Illness?		foccup	pation?						
8. Ar	e you taking ar			rescription med n/being taken, a		se(s) and	dosa	ge(s)						
	EXAMINATION	lace a check n	nark ! J \	in the appropria	ite box 🗆									
HEIGHT (cm).	WEIGHT (kg):			PRESSURE:	PULSE Hg) RHYTH	RATE .		/mın	RESPIRA	ATION:	/mi	ın	BMI.	
VISUAL ACUITY	FAR VI	SION		NEAR VISION		HIHARA		R	EAR	Hearing b	y Audio	ometry		TY OF
Uncorrected	OD 20/	IOS 20/	ODJ	l OSJ	Adequ				Right	Adequate		Inadequate	Adequat	
Corrected		IOS 20/	ODJ	OSJ	Defec	tive			Left	Adequate		Inadequate	Defectiv	e _
				_									Re 10	EMER-SI evision 0. 0/17/2013 Page 1 of

; · . ,															
II. MEDICAL EXAMI	(Continuation). Alongs	ck mar	k(/)u	nder 'YES'	if Norm:	al. If not Nor	mal,	specify	findir	igs.					
A	YES	Significant Findings	Findings B					Significant Findings			С		YES	51g	nificant Findings
Skin				Neck, Lymph Nodes, Thyroid						Genito-urin System	ary				
Head, neck, scalp			Chest-l	Chest-Breast-Axilla							Inguinals, Genitals				
Eyes, external			Lungs								Extremities				
Pupils, Ophthalmoscopic			Heart								Reflexes				
Ears			Abdom	ien							Dental (Teeth/Gun	ns)			
Nose, Sinuses			Back												
Mouth, Throat			Anus-r	ectum	1										
III. RESULTS OF ANG	ILLARY	EXAMINATIONS. Place	a check	mark	(√) in t!	ne appro	priate	box 🗀	].						
A CHEST X-RAY	Norm	nal With Findings	D. URIN	NALYS	is.	Norm	al [	With	Findings		//AIDS Test. required)		Reactiv	re _	Non-Reactive
B. ECG:	Norm	nal With Findings	E STO	OL EX	λм	Norm	nal [	With	Findings	H RPF	R and/or HA		Reactiv	re _	Non-Reactive
C CBC:	Nom	al With Findings	F. Hepa (when			React	ive [	Non-	Reactive	I BLO	OD TYPE (Sp	ecify)	:		
PSYCHOLOGICAL TE		<u>.</u>	Norma					Evaluat							
		fy). e.g. Blood Chemistrie				est, Live	r Fund	tion Tes	t, Stool Cu	iture, etc	с.				
		eck mark ( 🗸 ) in the app	ropriate	box [											
Basic DOH Mandato	,			ᆜ	PASSED		<u> </u>		SIGNIFICA						
Additional Laborato				片	PASSEC		-	_	SIGNIFICA						
		oratory Requirements (Sspecify e.g. with medi	lcation. d	let re				] wiin	SIGNIFICA	WI FIND	11403				
nemano) si come	112200	(oxpectif e.g. with mean				,									
On the basis of the		ee's personal declaration FIT FOR LOOK-OUT D ECK SERVICE	OUTY [	]	amınatio			OT FIT FO	DR LOOK-C	OUT DUT	_		THER:		
WITH RESTRICTION	ē	WITHOUT REST	PICTION	e- 1			M	ELIAL AL	DS REQUIR	ED.	YES	NO [	_		
		er to standard restriction			m of this	page).	•	JUAL AI	D3 REQUIR	LLD.		L	_		
DATE OF MEDICAL	EXAMI	NATION:	[	DATE (	OF EXPIR	ATION	OF ME	DICAL E	XAMINAT	ION REPO	ORT: ME	DICAL	EXAM	INATIO	ON REPORT NO:
DAY	N	ONTH YEAR			D/	AY	M	ONTH		YEAR					
NAME AND SIGNAT LICENSE NUMBER: ADDRESS:	URE O	FEXAMINING/AUTHORI	ZED PHY	SICIAN	4:										
		ersonal declaration abov mining/authorized physi		to th	e best of	my kno	owledg	ge and 1	fully under	rstand th	e above res	ults a	f.my m	edical	l examination as
I hereby authorize	the rel	ease of all my medical i	records t	o the	DOH/M	ARINA/I	POEA,	the exa	mıning/au	thorized	physician a	nd m	y empl	oyer/ı	manning agency
		NAME AN					_		_		DATE	_			
		THIS SIGNATURE SHOULD BE A	FFIXED IN T	HE PRE	ENCE OF T	HE EXAM	MING PH	ITSICIAN							
**STANDARD RESTRIC									Not to wor	rk with	(specify)				
<ul> <li>Not fit for</li> </ul>	emerge	ncy duties						•	Not fit for ;	food hand	Mng		_		
<ul> <li>Not fit for</li> <li>Only fit for</li> </ul>		t duties it during doylight hours						:	Within (s Near - coa		iles from a safi	e have	n		
<ul> <li>Not fit for</li> </ul>	wark w	ith colour coded tables etc						•	Coastal wa	ters only,	up to (spec	(fy) mi	ies from	shore	
		om (home) port overnight om (home) port for periods o	over 24 ho	urs/7d	avs			:	Non-tropic Not fit for		only stand-by vess	els			
<ul> <li>Not to life</li> </ul>	items w	reighing over 5/10/20/40kg			-,-			•	Fit for serv	ice only o	n vessels with	ship's			
		to be worn for work with be worn for all work	(specify	7				:			ties in private nergencies (sp		required	ſ	
- Lye prote	Langer CO	ar are in jury and mark						•	Special Med	an en	er Arrenes isb				DOH-PENER-SB

Optical Character Recognition using Tesseract

ANNEX – I A.O. No. 2013-0006

## NAME OF CLINIC

Address Contact Information E-mail address

## HUMAN IMMUNODEFICIENCY VIRUS (HIV) SCREENING TEST CERTIFICATE

has undergone screening test for	MsHIV/Acquired Immunodeficiency Syndrome (AIDS), and was found to ed on laboratory test (HIV-1/HIV-2).
Picture	Examining Physician License No Date of Medical Examination  LABORATORY REPORT
	Date:
Name:Address:	Age: Sex: Civil Status:
Screening Test Used: (please check)  RAPID  Particle Agglutination  EIA / CMIA / ELFA  Others (specify)  RESULT*	NONREACTIVE REACTIVE
Medical Technologist HIV Proficiency Cert. No Expiry date	
Pathologist	
*A non-reactive result indicates that the tested we the possibility of recent exposure to an infection by	mple does not contain detectable Human Immunodeficiency Virus (HIV) antibody. This does not preclus HIV. MFOWS-Annex I-HIVST Revision:01 06/08/2011

INTEGRAL NOTES ANNEX - C A.O. No. 2013-0006

## NAME OF CLINIC

DOH ACCREDITATION NUMBER Clinic Address Clinic Contact Information Email Address

## MEDICAL EXAMINATION REPORT FOR LANDBASED OVERSEAS WORKERS

Approved and authorized by the Department Of Health (DOH)

SURNAMF/	LAST NAME:			GIVEN NAME:					MIDDLE NAME:		
JOHNAME	AND I TEMPLE		- 1	GITER RAME.							
AGE:	DATE OF BIE	RTH: DAY	мо	NTH YEAR	PLAC	CE OF BIRTH:	cou	NTRY	NATIONALITY:		
GENDER: MALE	FEMALE		T	CIVIL STATUS:		SINGLE	MARRIED	]	RELIGION:		
ADDRESS:											
PASSPORT NUMBER:						COUNTRY OF DEST	TINATION:				
POSITION APPLIED FO	t:					NAME OF COMPA APPLICABLE):	NY/ EMPLOYER	/ RECE	UITMENT AGENCY (WH	ENEVER	
I. MEDICAL HISTORY -					d, sou	ght advice or treatn	nent from a me	dical d	octor on the following o	onditions:	
ead or Neck Injury	YES	_ NO	<u> </u>	Other Lung Disc	orders	YES	NO 🔲	Gynae	cological Disorders	YES	NO
requent Headaches	YES[	NC	Ď	High Blood Pres	ssure	YES	NO	Last N	lenstrual Period Specify date		
requent Dizziness	YES	□ NO	0	Heart Disease/ Chest Pain	Vascul	lar/ YES	NO 🗆	Kidne	y or Bladder Disorder	YES	NO[
ainting Spells, Fits, Seizu r Other Neurological Di		□ NC	,_	Rheumatic Feve	er	YES	NO _	Back I Arthri	njury/Joint Pain/ tis	YES 🗆	NO
nsomnia or Sleep Disord	ers YES [	NC.	<u> </u>	Diabetes Mellit	ues	YES 🔲	NO 🔲		ic, Hereditary or al Disorders	YES 🔲	NO [
Depression, other Menta Disorders	YES [	□ NC		Other Endocrine (e.g. Goiter)	e Diso	rders YES	NO _	Sexua	lly Transmitted Diseases	YES	NO [
ye Problems/ rror of Refraction	YES [		$\Box$	Cancer or Tumo	or	YES 🗆	NO 🗆		al Diseases (e.g. Malaria id Fever – Specify Date)	, YES	NO [
Deafness, Other Ear Diso		_ NO		Blood Disorders		YES	NO _		osomiasis (Specify Date)	YES	NO [
Nose or Throat Disorders	YES	NO	Ď	Stomach Pain, C or Ulcer	Sastriti	is YES	NO 🖂	Asthm	a	YES	NO [
uberculosis	YES	NO.		Other Abdomin	al Disc	orders YES	NO	Allerg	es (Specify)	YES	NO [
								Opera	tion(s) (Specify)	YES 🗀	NO [
Place a chec	k mark (🗸) in	the app	ropria	ete box 🗖.				_			
2. Have you ev 3. Have you ev 4. Has your me 5. Are you awa 6. Do you feel	er been hospit er been declar dical certificat are that you hat healthy and fit rgic to any me	talized? red unfit te ever b we any n t to perfo	for we een re nedica orm th	repatriated fron ork overseas? estricted or revo al problem, disea se duties of your	ked? ise or i		pation?	Ĭ	B NO		
8. Are you taki	ng any non-pr			rescription medi		n? purpose(s) and dosa	age(s):	Г			
. , ,											
			-							DOH	PEMER- Revision 06/21/20

Optical Character Recognition using Tesseract

## INTEGRAL NOTES ANNEX - C A.O. No. 2013-0006

II. MEDICAL I	XAM	IINATK	ON										_		_		_
Enter the dat				ck mark (🗸	) in the	appropriate	box 🗀	Along	side column	s A, B, C.	put a	check mark (	<b>/</b> ):	under ^	YES' If	Normal.	lf
not Normal, specify findings.  HEIGHT WEIGHT (kg): BLOOD PRI																	
	WE	IGHT (I	kg):		RESSURE				/min	RESPIR	ATION	l:	_/m	in		BMI:	
(cm):				Systolic:_ Diastolic:		(mm Hg)	RHYTH	N:									
VISUAL		540	VISION		EAR VISI	(mm Hg)	ISHIHARA COLOR VISION					15.15				_	
ACUITY		PAK	VISION	"	EAR VISI	ON	(when required)			EAR	HEA	ARING (Conversational or Audiometry when require			L DY	CLARITY	
Uncorrected		20/	OS 20/	ODJ	I OS	j		Adequate Adequate				Adequate				Adequat	
							Defectiv	_=		Right				_			_
Corrected	OD	20/	OS 20/	ODI	ODI   OSI			/e	J	Left		Adequate	L	Inadequate		Defective	e 🗀
											_		_				_
					_						$\neg \tau$		_	ТТ			
Α		YES	Significant	Findings		В		YES	Significa	nt Finding:		С		YES	Sign	ifficant Find	dings
Skin					Neck, Lymph Node Thyroid							Genito-urina	ıry				
	-	=			Thyroid			一				System Inguinals,	_	-	_		
Head, neck, sca	lp				Chest-Breast-Axilla			ļ	[			Genitals					
Eyes, external					Lungs							Extremities					
Pupils,					Heart						$\overline{}$						
Ophthalmoscop	oic	ш			neart			ш			_	Reflexes					
Ears					Abdon	nen						Dental County (C	,				
Nose, Sinuses		$\overline{}$			Back			_			-	(Teeth/Gum:	s)_	_			
	-	ᆜ			Back			ᆜ			$\rightarrow$		_	<b>  </b>			
Mouth, Throat					Anus-r	ectum					- 1						
															_		
III. RESULTS OF	ANC	ILLARY	EXAMINATION	ONS. Place	a check	mark (🗸) is	n the appr	oprlate	box 🔲 .								
A CHECT V DAY		1	-1 []	F1 - 41	T =								_		_		
A. CHEST X-RAY	٠	Norm	iai With	rindings	D. UR	INALYSIS:	Norn	nai L	With Find		i. HIV/ leactiv	AIDS Test:		Reactive	e	Non-	
									(when re			n required)					
B. ECG:	$\overline{}$	Norm	al With	Findings		OL EXAM:	Norn	nal	With Find			and/or:		Reactive	•	Non-	
(for <u>&gt;</u> 40 y/o)		•			(when	(when required)					teactiv	e -				•	
C. CBC:	$\overline{}$	Norm	al With	Findings	F. Hen	F. Hepatitis B: Reactive Non-Reactive					PHA	D TYPE (Spec	ciful:				_
	_					required)		L			DLUC	O TIPE (Spec	uny).				
PSYCHOLOGICA	L TES	T:	Norm	al	F	or Further E	valuation										_
ADDITIONAL TO	erie)	10		Chamint		Alb-											
ADDITIONAL TE	31(3)	(apeci	17). e.g. 81000	chemistre	is, Drug	rest, Alcoho	n rest, Live	er runci	non rest, St	ool Cultur	e, etc.						
IV. SUMMARY.	Plac	e a che	ck mark (🗸)	in the appr	opriate	box 🔲.											
Basic DOH Man	dator	y Med	ical Examinat	ion:		PASS	ED		WITH SIGN	VIEICANT	FINDU	vas					_
Additional Labo						PASS		-	WITH SIGN								
Host Country M		_		quirements	:	PASS		-	WITH SIG								
						_							_				
V. ASSESSMENT	OF	HINES	S FOR LANDS	ASED OVER	ISEAS W	ORK. Place	a check m	ark (🗸	) in the app	ropriate i	box L	۵.					
On the basis of t	the e	xamine	e's personal	declaration.	, my clini	ical examina	ation and t	he diae	nostic test r	esults rec	orded	above. I dec	lare	the eva	mine	e medicall	v:
			FIT							UNFIT							,.
DATE OF MEDIC	A/ F	YAMIN		느	- 7 6	ATE OF EV	DIDATION	OE PAR	OKAL EXAM		0500	<u> </u>		rv.			_
anni or mess.		- January III	- HONE			illing out th				INATION	REPO	RT: MEDI	CAL	EXAMI	NATIO	N REPOR	ľ
DA	Y	M	ONTH	YEAR			DAY		MONTH	Y	EAR		_				
NAME AND SIG	MATI	IDE OF	EVAMINING	/AUTHORIT	ED BUY	CIAN:											
LICENSE NUMBI		AL OF	- AAAAAAAAA	HUINURIZ	ED PHIS	MUMINE											
ADDRESS:												_					
hereby certify	that	the ne	rsonal derlar	ation show	ie tour	to the bart	of my boo	uladas	and I full.	ndarete	4 4-	.h					
explained to me	by ti	ne exar	nining/autho	rized physic	ian.	w use pest	or my kno	wieage	and i fully u	nuerstan	u the	above results	5 01 1	my med	ncal e	xaminatio	m as
hereby authori	ze th	e relea	se of all my n	nedical reco	rds to th	e DOH, POE	EA, my em	ployer	and			***					
												(Name of CI	inic)				
								_					_				
		,	THIS SIGNATURE	NAME AND	SIGNAT	TURE OF AP	PLICANT	and mo-	SICIAN			DATE	_				
			- Inches		- Anna Me III	- Presence U		- AG PHI	- ine				_		-	DOH-PEMEZ	
															1		n 00
															1	Page 2	of 2

Optical Character Recognition using Tesseract

## **NAME OF CLINIC**

DOH ACCREDITATION NUMBER Clinic Address Clinic Contact Information Email Address

## MEDICAL CERTIFICATE FOR LANDBASED OVERSEAS WORKERS

Approved and authorized by the Department of Health (DOH)

SURNAME/LAST NAME:	GIVEN NAME:		MIDDLE NAME				
AGE: DATE OF BIRTH:		PLACE OF BIRTH:	NATIONALITY:				
DAY MI	DAY MONTH YEAR						
GENDER: MALE FEMALE	CIVILSTATUS: SI	IGLE MARRIED	RELIGION:				
ADDRESS:							
PASSPORT NUMBER: COUNTRY OF DESTINATION:							
POSITION APPLIED FOR:	ION APPLIED FOR: EMPLOYER/COM PANY/RECRUITMENT AGENCY (IF APPLICABLE):						
SATISFACTORY HEARING?		YES NO					
SATISFACTORY SIGHT?		YES NO					
SATISFACTORY COLOR VISION? (WHEN REQUIRED)		YES NO					
SATISFACTORY PSYCHOLOGICAL TEST?		YES NO					
IS APPLICANT SUFFERING FROM ANY MEDICAL CONDITION LIKELY TO BE AGGRAVATED BY LANDBASED OVERSEAS WORK OR TO RENDER THE APPLICANT UNFIT FOR SUCH SERVICE OR TO ENDANGER THE HEALTH OF OTHER PERSONS? YES NO							
РНОТО	THIS IS T	O CERTIFY THAT A MEDICAL AND	PHYSICAL EXAMINATION WAS GIVEN TO:				
(MALIC SLIOT)	(NAME O	F APPPLICANT)	<del></del>				
(MUG SHOT)	RESULT:						
PASSPORT SIZE	incoci.	FIT	UNFIT				
	Na me an	d Signature of Examining/Authoriz	ed Physician				
	Date of E	Date of Examination:					
OFFICIAL STAMP							
	Approve	l barr					
	Approved	. o <sub>7</sub> .					
	Medical I	Director					
I HAVE READ AND UNDERS TO OD THE CONTENTS OF THE ABOVE AND THE INTEGRAL NOTES HEREOF.							
APPLICANT'S NAME AND SIG NATURE:  (THIS SIGNATURE SHOULD BE AFFIXED IN THE PRESENCE OF THE EXAMINING PHYSICIAN)							
DATE OF ISSUANCE OF PEME CERTIFICATE:		DATE OF EXPIRATION OF PE	ME CERTIFICATE:				
DAY MONTH YEAR		(Filling out this field is not m DAY MONTH YEA	andatory.)				
			DOH-PEME-LB Revision 0.0				

Revision:00 05/21/2013 Page 1 of 2



## Republic of the Philippines Department of Health HEALTH FACILITIES AND SERVICES REGULATORY BUREAU

ANNEX-G A.O. No. 2013-0006

## TABULATED PSYCHOLOGICAL EVALUATION FORM

Name:								
Position Applied for:								
Referred by:								
Date of Examination:								
TEST ADMINISTEREI	D							
Intelligence Test	(IO):							
Personality Test:								
Others:								
I. INTELLECTUA	AL LEVE	L:						
( ) Very Superior			( ) Av	erage	( ) Mentally Deficient			
( ) Superior	Superior			( ) Below Average				
( ) Above Ave	rage		( ) Bor	derline				
II. PERSONALITY	TRAITS	S AND C		RISTICS:				
SENSE OF	1	2	3	4	5	6	7	
RESPONSIBILITY	Very	Low	Low	Average	High	High	Very	
CA 79 1000	Low		Average		Average	9976.31	High	
Perseverance								
Obedience						1		
Self-discipline/Orderly								
Enthusiasm								
Initiative				3	1			
EMOTIONAL	1	2	3	4	5	6	7	
STABILITY								
Can withstand boredom								
and work alone			-			-		
Tolerance to stress,								
pressures and								
inconveniences	-		+			-		
Faces reality	-	-	-	1	-	-		
Confidence	-		-		-	-		
Relaxed					1			
OBJECTIVITY	1	2	3	4	5	6	7	
Tough-mindedness								
Adaptability								
Practicality					1			
- 333			77	00	00.	MFOWS	-Annex G-Psychologi	

MFOWS-Annex G-Psychological Evaluation Form Pevision:02 12:08:2014 Page 1 of 2

MOTIVATION	1	2	3	4	5	6	7
Assertiveness							
Independence							
Resourcefulness							
INTERPERSONAL	1	2	3	4	5	6	7
AND PERSONAL ADJUSTMENT							
Relationship with Peers and Co-workers (Team manship)							
Relationship with Superiors, Employers and Authority Figures (Deference)							
Self-esteem							
Aggressive Tendencies							
COAT	•						
GOAL- ORIENTATION	1	2	3	4	5	6	7
Directs one's effort towards clear cut objectives							

## I. CONCLUSION/REMARKS:

## ( ) RECOMMENDED

No significant personality problems noted at the time of evaluation.

## ( ) FOR FURTHER EVALUATION

## LEGEND:

- 1- Very Low
- 2- Low
- 3- Low Average
- 4- Average
- 5- High Average
- 6- High
- 7- Very High

 Psychologist	

MFOWS-Annex G-Psychological Evaluation Form Revision:02 12/08/2014 Page 2 of 2

ANNEX - D A. O. No. 2013-0006

## NAME OF CLINIC

DOH ACCREDITATION NUMBER Clinic Address Clinic Contact Information Email Address

## MEDICAL CERTIFICATE FOR SERVICE AT SEA

Approved and authorized by the Department Of Health (DOH) and the Maritime Industry Authority (MARINA) of the Republic of the Philippines Issued in compliance with STCW Convention, 1978, as amended Section A-I/9 Paragraph 7 and the Maritime Labour Convention, 2006

SURNAME/LAST NAME:	GIVEN/FIRST NAME:		MIDDLE NAME:				
AGE: DATE OF BIRTH: DAY MONTI	1 YEAR	PLACE OF BIRTH:	NATIONALITY:				
GENDER. MALE FEMALE	CIVIL STATUS:	SINGLE MARRIED	RELIGION:				
ADDRESS		,					
PASSPORT NUMBER:		SEAMAN'S BOOK NUMBER.					
POSITION ON BOARD: COMPANY:							
DECK ENGINE CATERING OTHERS SPECIFY							
DECLARATION OF THE AUTHORIZED PHYSICIAN	THE THERE OF SECT	O ATTUS COURT OF TWANKING TION.	YES - NO -				
CONFIRMATION THAT IDENTIFICATION DOCUME		DAT THE POINT OF EXAMINATION					
HEARING MEETS THE STANDARDS IN STCW COD	SECTION A-1/97		YES NO				
UNAIDED HEARING SATISFACTORY?			YES NO				
VISUAL ACUITY MEETS STANDARDS IN STCW CO	DE, SECTION A-I/9?		YES NO				
COLOUR VISION MEETS STANDARDS IN STCW CO Date of last colour vision test: (Day/ Month/ Yea		? ,	YES NO				
VISUAL AIDS (tick if worn) SPECTACL	ES 🔲	CONTACT LENSES					
FIT FOR LOOKOUT DUTIES?			YES NO NO				
NO LIMITATIONS OR RESTRICTIONS ON FITNESS?			YES NO				
If "NO" specify limitations or restrictions:  IS APPLICANT SUFFERING FROM ANY MEDICAL C	ONDITION LIKELY T	O BE AGGRAVATED BY SERVICE AT SEA	OR TO RENDER THE SEAFARER UNFIT FOR				
SUCH SERVICE OR TO ENDANGER THE HEALTH O			YES NO				
	THIS IS TO CERTIFY	THAT A MEDICAL AND PHYSICAL EXAMINATIO	ON WAS GIVEN TO				
	(NAME OF SEAFARE	R)	-				
PHOTO	RESULT: FIT FOR DUTY.	UNFIT FOR DUTY					
(MUG SHOT)	FILFORDOIS.	UNIT FOR DOTT					
PASSPORT SIZE	NAME AND SIGNATURE OF EXAMINING/AUTHORIZED PHYSICIAN DATE OF EXAMINATION DAY/MONTH/YEAR						
	APPROVED BY						
	MEDICAL DIRECTOR						
OFFICIAL STAMP  NAME OF ISSUING AUTHORITY.  ADDRESS.  PHYSICIAN'S CERTIFYING AUTHORITY.							
						PHYSICIAN'S LICENSE NUMBER:	
I HAVE READ AND UNDERSTOOD AND WAS INFORMED OF THE CONTENTS OF THE CERTIFICATEAND OF THE RIGHT TO A REVIEW IN ACCORDANCE WITH PARAGRAPH 6 OF SECTION A-I/9 OF THE STCW CODE.							
SEAFARER'S NAME AND SIGNATURE: DATE:							
(THIS SIGNATURE SHOULD BE AFFIXED IN THE PRESENCE OF THE EXAMINING PHYSICIAN)  DATE OF ISSUANCE:DAY/ MONTH/ YEAR  DATE OF EXPIRATION: DAY/ MONTH/ YEAR							

Revision.01 10/17/2013 Page 1 of 2