Republic of Yemen Ministry of Planning & Int'l Cooperation Central Statistical Org.





Central Statistical Organization

CSO

Vision

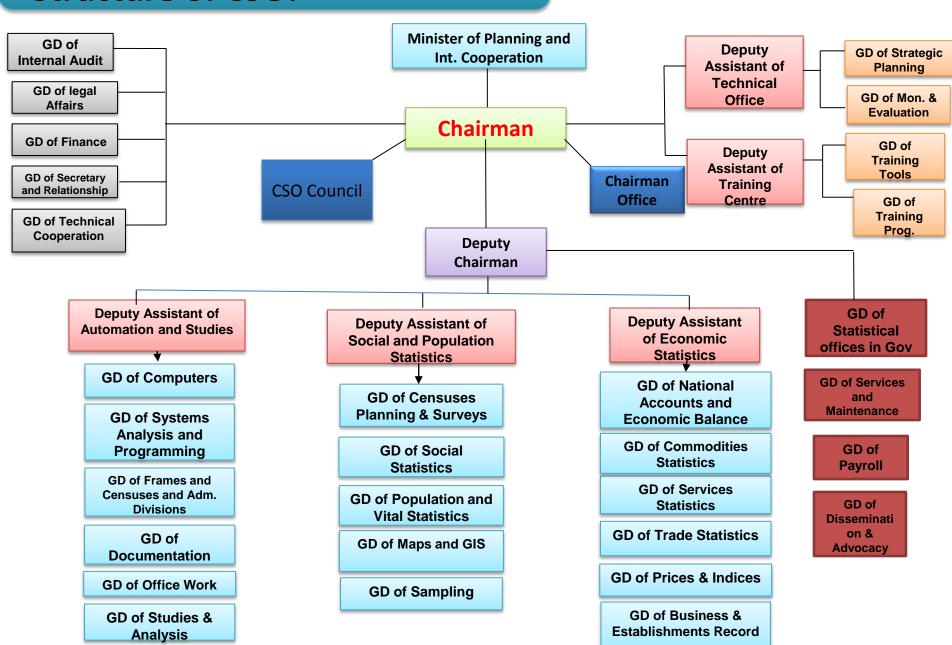
Establish and develop statistical system which meet development needs of statistical indicators and to be in line with continuous technical developments.

An overview of the Central Statistical Organization in Yemen

The Central Statistical Organization founded as an official autonomous agency in 1990 during the blessed Yemeni Unification

The Statistical law no. (28) for 1995 is considered the legitimate frame of Yemeni statistical system

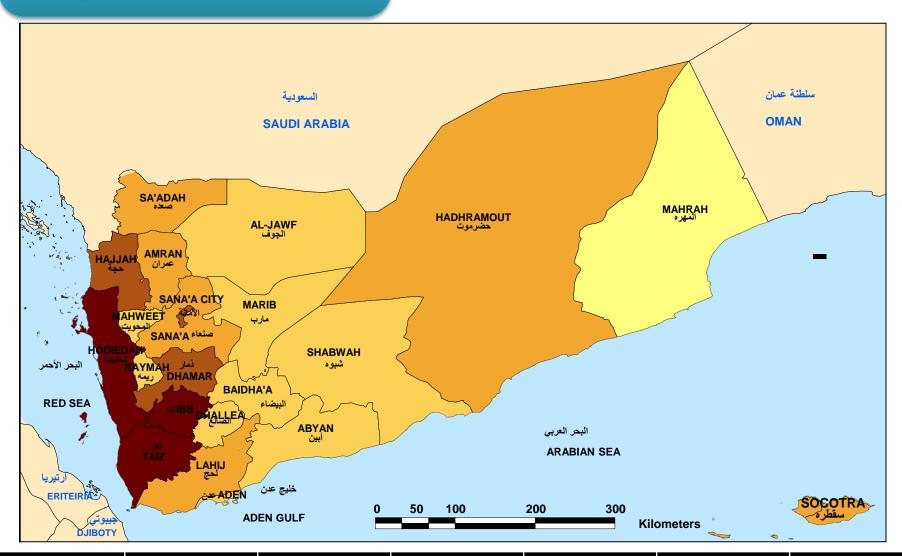
Structure of CSO:



Responsibilities and Duties of CSO:

- Prepare Statistical systems to collect statistical data.
- Set up statistical surveys, census plans and projects (comprehensive or sampling).
- Participate in designing statistical systems to follow up implementation of economic and social development plans.
- Participate in unifying statistical concepts, standards, definitions and terminologies.
- Collect statistical data and information concerning all resources and uses.
- Implement public views surveys on economic and social issues in the country.
- Follow up various changes in statistics.
- Maintain and activate statistical law to improve quantitative and qualitative statistics.
- Adopt statistical data produced through other entities after processing and verifying data.
- Advocate and raise statistics awareness.
- Enhance relationships and strengthen collaboration with other agencies and organizations

Map of Yemen:



Governorates	Districts	Sub-districts	Cities	Villages	Sub-villages	Islands
21	333	1996	225	40.739	88.817	216

Yemen in Figures

- Significant Indicators on Yemen:
- ➤ Population of Yemen estimated of 24.527.000 in 2012.
- according to the population projection of (2005-2025).
- ➤ Ratio of gender is 103.7 male per 100 female.
- ➤ Ratio of urban population is 28.85%.
- ➤ Ratio of rural population is 71.15%.
- ➤ Population growth rate is 3%.
- ➤ Unemployment rate is 17.8% in 2010.
- ➤ Annual inflation rate for consumer prices is 23.17% for 2011.
- ➤ Per capita average of GDP is USD \$1.149 for 2011.

Key Activities at CSO During 2012-2013

- ✓ Population, Housing & Establishments Census 2014.
- ✓ Multi-Purposes Household Budget Survey
- ✓ Labor Force Survey
- ✓ Economic and Service Surveys and Projects (22 activities)
- ✓ Upgrading National Accounts System from 1993 to 2008
- ✓ Update Key Service Map 2013
- ✓ Producer Prices Index (PPI)
- ✓ International Trade Survey in Services and FDI
- ✓ Periodicity of Food Security Information System (FSIS)

Key Publications of CSO During 2012-2013

- Yearly Statistical Book
- Final findings of service and economic surveys (22 activities)
- Foreign trade bulletin
- National Accounts bulletin
- Consumer Prices Indices (CPI) bulletin
- MDGs Indicators
- Diverse publications and different activities implemented and produced at CSO
- You can visit below website:

Main Achievements of CSO Till the Beginning of 2013

- ❖ Conduct training programs local and abroad.
- * Strengthen capacity building of staff, census coordination unit, statistical units at governorates and data sources.
- **\$** *Update database of statistical indicators.*
- * Found and update Geographic Information System and comprehensive geographic database.
- ❖ *Improve CSO* with equipments and materials.
- **Strengthen partnership with data sources and users.**
- * Strengthen partnership with donor community and regional & international organizations.
- ❖ Obtain an award after a competition of best statistical work on key services map project named as (Statistical Atlas).
- ❖ Prepare and update the Statistical Master Plan 2012-2015.
- ❖ Produce tourist maps, election divisions maps and services map.

Presentation of the Republic of Yemen On Census 2014 Plan of Population, Housing & Establishments

Dr. Hasan T. Farhan

Chairman of CSO - Yemen

Summary of contents of Census 2014 Plan

First part

Summary of Adm., Fiscal and Technical Assessment for Census 2004 Methodology and Documents and Lessons learnt

Second Part Planning Methodology of Census 2014

An Overview on Censuses implemented During 1973 - 2004

First: Censuses Implemented before Unification of Yemen and geographic Coverage:

Census Year	Geographic Coverage	Population
1973	South Gov.	1.590.275
1975	North Gov.	6.471.893
1986	North Gov.	9.274.137
1988	South Gov.	2.345.266

Second: Censuses Conducted after Unification of Yemen in 1990:

Census Year	Geographic Coverage	Population
1994	Republic of Yemen	14.587.807
2004	Republic of Yemen	19.685.807

Census 2014 is the third Census after Unification and the Fifth in Yemen

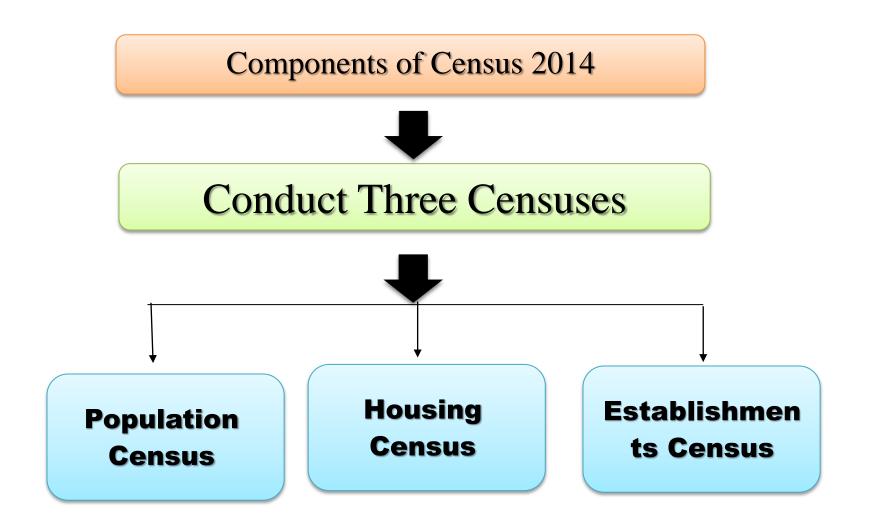
Procedures of Document Preparation

The following procedures have been achieved to prepare census document after issuance of the republican decree no. (107) for 2011 concerning the implementation of Population, Hosing and Establishments census 2014:

- * Evaluate methodology and documents of census 2004
- ❖ Identify legal and organizational frame, tasks and responsibilities of census 2014
- * Evaluate previous and current condition of infrastructure
- Specify fiscal, technical and human needs
- Identify appropriate timeline/activities
- **Estimate** work load and staff number at the level of governorates at earlier time
- ❖ Taking best practices of other countries and follow UN recommendations on censuses
- Enhance capacity building at different stages
- ❖ Propose new mechanisms to activate CSO partnership with donor community and data users at earlier time
- * prepare new conceptions and strategies for data processing and dissemination

Conceptional Framework of Census 2014

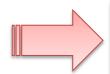
❖The population, housing and establishments census 2014 is one of the major components of official statistics at all states



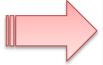
Importance of Census 2014:

- Provide comprehensive statistical database on population, housing and establishments.
- Update statistical database for demographic, social and economic beside all administrative divisions.
- Census data are deemed as key tool to programming, planning, monitoring, and following up process for different activities related to public sectors.
- **❖** Facilitate concerned staff to distribute key services among geographic and administrative components.
- **❖** Facilitate concerned authorities to set up economic and social development plans.

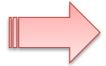
Census 2014 Objectives:



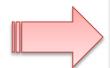
1- Provide population size, growth rate and its trends, natural increase rates, geographic, sex and age composition beside their demographic, social and economic characteristics at administrative divisions level and urban status.



2- Recognize to population movement load, labor force within governorates in order to measure the internal migration rates and its characteristics beside extracting updated statistical indicators on external migration.

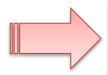


3- Provide demographic, social and economic indicators to establish social and economic development plans.

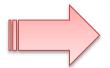


4- Provide updated statistical database on special groups and consequently strategic plans and accurate policies to improve educational, livelihood and healthy conditions of these groups.

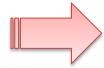
Census 2014 Objectives:



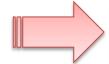
5- Provide updated statistical database which would facilitate updating various national strategies for population, women, childhood, youth, poverty, etc...



6- Update statistical indicators and database of poverty to facilitate concerned authorities and develop alleviating mechanisms to the way of achieving MDGs.

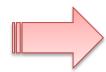


7- Provide a statistical database for civil registry to streamline building an integrated system of national ID.

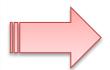


8- Acquire accurate frame for sampling to different surveys being conducted through the national statistical office.

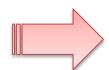
Census 2014 Objectives:



9- Update databases of establishments, housing and buildings which will facilitate designing accurate policies on urban development and cities delineation beside services distribution through comprehensive development.



10- Update database of key services map which will be utilized in services planning and development projects at all administrative divisions level of State.



11- Utilize various updated data of Census 2014 to carry out in-depth studies concerning demographic, social and economic aspects which will serve and help decision makers.

Key Characteristics of Censuses:

Individual Counting

It means that enumerating unit is the Household including members who live mutually whereas individual is the enumerating unit for population who reside at general housing, housing is the enumerating unit of housing Census, establishment is for the establishment census.

Coverage

It means that
Census will cover
the whole
geographic areas
of the State
without omitting
or duplicating any
components of
(enumerating
unit), maps lead a
major role in this
part.

Concurrency

Reference period night of all data is the Census day, in some cases it differs regarding to the work status of individual during the past week prior to the census day.

Periodicity

Censuses implement on periodical timeliness periods every ten years

Uses of Census Results:

For making policies, planning and administrative purposes

Population Census

Research objectives

Business, enterprises, labor and industrial purposes

Uses of Census Results:

To Study housing characteristics and compare among administrative components

Housing and Establishment Census

To Study needs of housing projects

To Study various establishments characteristics and set up statistical frames for economic surveys

Legal Frame of Census 2014:

Republican decree:

Decree no. (107) for 2011 to conduct Population, Housing and Establishments Census 2014 in the Republic of Yemen

Cabinet Decrees:

- Decree no. (119) for 2011 indicate adopting Republican Decree to conduct the Census
- Decree no. (16) for 2012 indicate forming up the Supreme Committee of Census and specify its tasks and responsibilities
- Decree no. (204) indicates adopting Census 2014 Document during 2012-2018

Decree of Minister of Planning and Int. Cooperation: Decree no. (1) for 2012 to form up Census Office

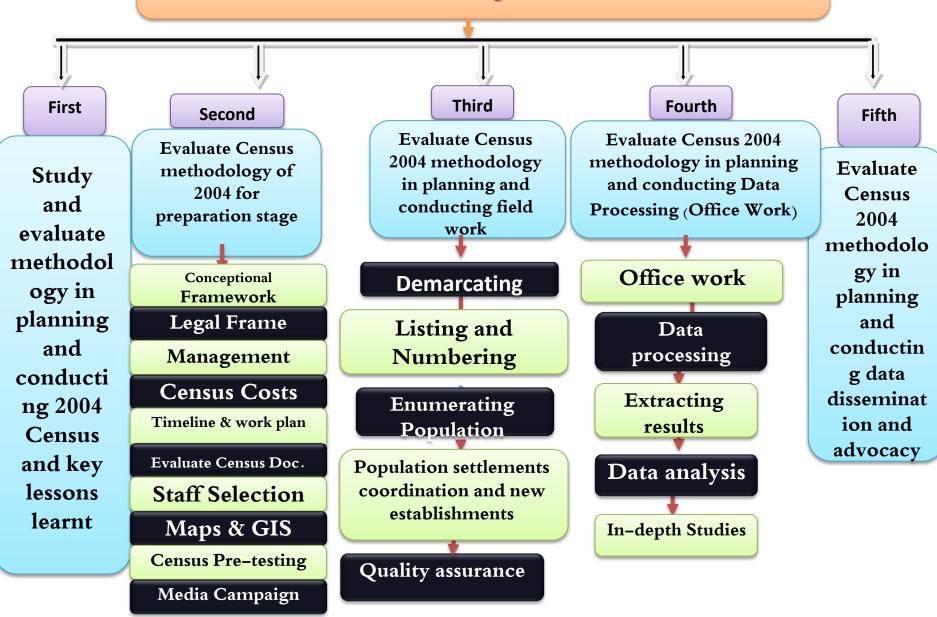
Decrees of CSO Chairman – Deputy Chairman of Supreme Committee – Census Director:

- **Decree** no. (19) for 2012 forming Technical working committees (TWG).
- **Decree** no. (20) for 2012 forming technical committee.
- **Decree no.** (21) nominating assistants for census director.
- **Decree** no. (22) for 2012 nominating general coordinator.
- **Decree no.** (23) forming technical working group.
- **Decree no.** (24) for 2012 nominating deputies of director assistants.

First Part

Summary of technical, fiscal and administrative evaluation of doc. And methodology of census 2004 & lessons learnt

Adm., Technical and Fiscal Evaluation Aspects of Census 2004 Doc. Used for Planning Census 2014



Lessons learnt from Previous Census 2004

Work plan and timeline (to be more comprehensive, clear and transparent / flexibility to accommodate new developments

Design automated program for administrative divisions instead of traditional manual coding.

Split listing and numbering stage from Enumeration Stage

Utilize modern programs (Oracle) for data processing and extracting results

To create a appropriate time to review, edit and extract frames, maps for enumeration stage

Produce detailed reports for initial results at governorates level for first time and to lowest units of administrative divisions

Accommodate results of listing and numbering stage at earlier time and proceed technical, fiscal and adm. For enumeration stage at earlier time

Release and publish results of Census electronically

Organize a workshop for ESCWA countries experiences on Census implementation

Release results of Census on Maps

Using GIS technology for the first time in 2014 Census

Using GPS device to update Maps and produce key services map

Establish networking at HQ and Statistical Offices at Gov.

Demarcate (key cities/secondary cities/districts centre/large villages 500 HHs and above)

Using long and short Questionnaires

Covering all Yemeni Islands and compose Islands frame and their coordination

Results of Assessment of Census 2004

Major remarks of Census 2004 and Proposed Recommendations for Census 2014

		Item	Remarks of Census 2004	Proposed recommendations for 2014
			No breakdown for some activities into budget	Census activities accommodated breakdown of financial resources and also every item in budget
1	ion for Fiscal Resources	Some mistakes came up through some supervisors through their fiscal reconciliation	Finance units will be activated at	
		equipments and	All needs estimated accurately particularly printing documents which will be conducted into two stages	

Assessment Results of Census 2004 and Proposed Recommendations to 2014 Census

	ltem	Remarks of Census 2004	Proposed recommendations for 2014
	2- Documents	* Practicing two questionnaires long and short separately	Taking countries experiences and utilize different stages to prepare Census 2014 CSO studies potentialities of using modern technologies to entry data CSO studies potentialities of using one questionnaire for population enumeration and hence it design accordingly CSO will use one questionnaire for enumeration instead of using long and short questionnaires
	and Guidelines	* Using two separated records for Establishments. Housing, HHs and Buildings listing	
		Some concerns related to buildings and establishments numbering questionnaire	Field reports of Census 2004 were reviewed and hence

Assessment Results of Census 2004 and Proposed Recommendations to 2014 Census

	Item	Remarks of 2004	Proposal for 2014
	Estimate EAs beside Administra tive and	components of some EAs due to	Key services map will be utilized through administrative divisions and then to be reflected into Census divisions, utilize population projections to compose EAs at earlier time in addition to satellite images will be used
	Census Divisions	There is an intervention fo some administrative division components between Gov districts, sub-districts and etc	Interventions will be managed through administrative divisions with the cooperation of Ministry of Local Administration
4		* Traditional way was used in training	New ways and approaches will be practiced during field workers training
	4 Training		Training manual would combine related terms and definitions of different office and field work stages

Assessment Results of Census 2004 and Proposed Recommendations to 2014 Census

	Item		Remarks of 2004	Proposal for 2014	
	Data Processing	*	Some manual errors occurred during economic activities coding	 Automated coding will be activated Consistency and coverage programs will be 	
5		*	Some errors occurred during data entry of Listing stage	effectively designed on a high quality control basis	
		*	Some troubles occurred due to non-coding all occupations	Coding manual will be updated and accommodate all latest developments	
6	Enumerati on Assessmen t Results	*	Post-enumeration Survey wasn't implemented in Census 2004	Post-enumeration Survey will be implemented after Census 2014 harmonized with UN recommendations	
7	Media Campaign	*	Media campaign didn't cover all stages of Census 2004 particularly rural areas	All required media campaign program would be accommodated and new developments in this regard	
8	Dissemina tion and Publicatio n	*	Final results were delayed due to formalities of discussion, endorsement and passing through series of committees.	Accurate strategy is designed for dissemination and publication which will be restricted to timeline and	
8		ito prior discussion with data discis on in	No prior discussion with data users on final results and dissemination beside publication of these results	taking a consultation of data users, beside using modern tools for advocacy and dissemination	

Second Part

Planning Methodology of Census 2014

Methodologies of Planning in Census 2014

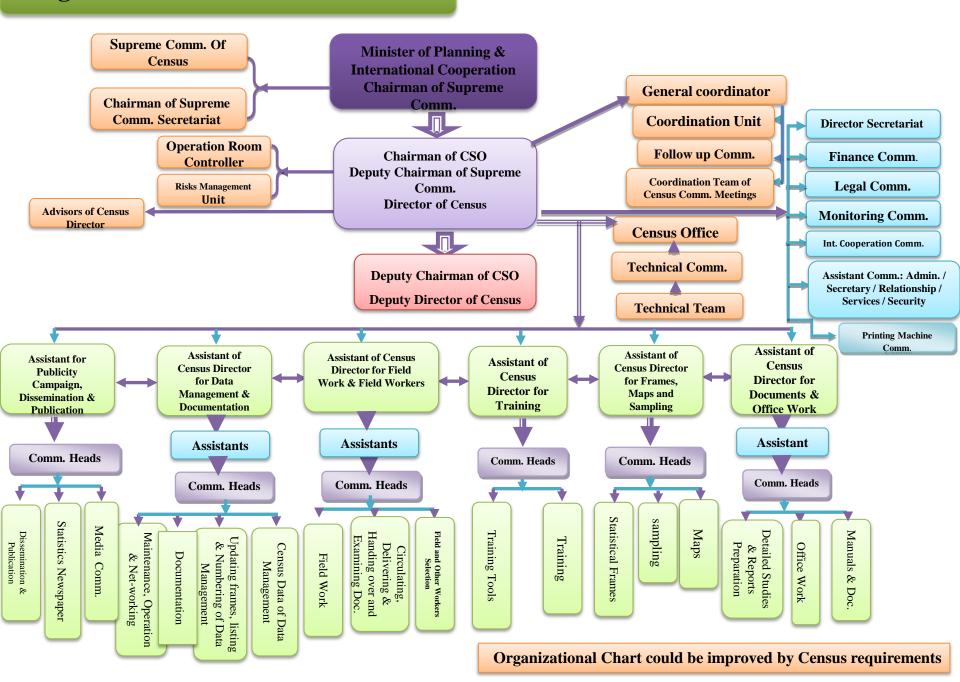
- 1- Assessment of methodologies and documents of Census 2004
- 2- Discuss with partners through workshops and surveying views
- 3-Design Census document and adopt it

- 4- Adopt organizational chart
- 5- Adopt Timeline and work plan
- 6- Prepare population projections of Census 2014 at administrative and census divisions level
 - 7- Identify fiscal, human, technical needs

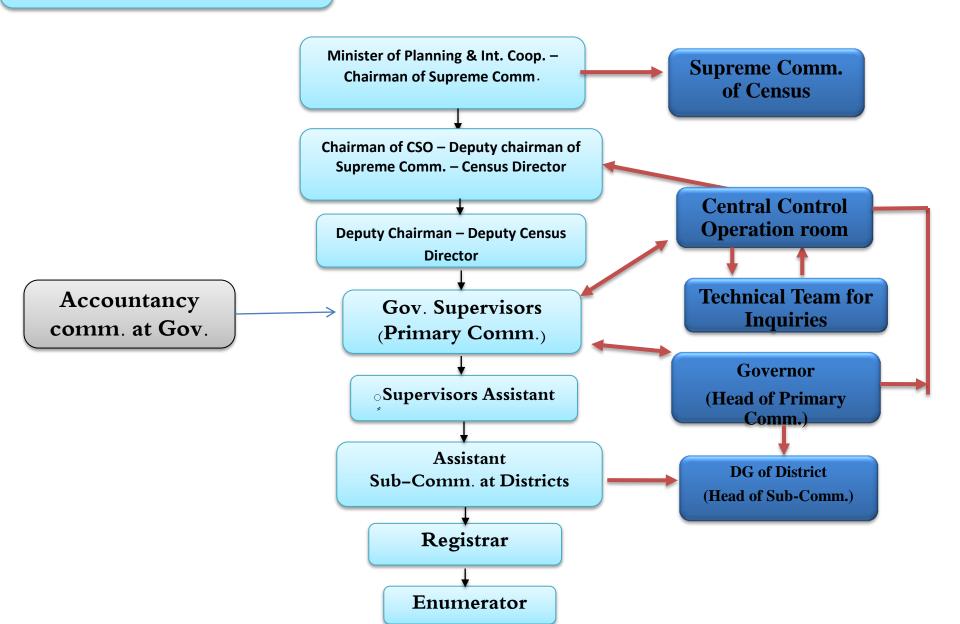
8- Set up the general budget

9- Utilize modern technology

Organizational Chart of Census 2014



Field Functional Chart of Enumerating Population



Partnership with UNFPA and Other Agencies:

- The UNPFA is one of CSO major partners through supporting different activities of Census since long time.
- Partnership become more effective during Census 2014 with UNFPA as they cooperated with CSO for preparing Census document and handle tasks of mobilizing resources to Census activities and they are Focal Point with donor community; various meetings organized at earlier time with UNFPA to reach to mutual work program (real partnership) in order to organize workshops aimed to financing gaps.

•Aspects of partnership between CSO and donor community:

*	Aspect of Partnership	CSO	Donors
*	Planning, managing and monitoring Census (produce Census 2014 document)		
*	Strengthen capacity building of CSO staff		
*	Support Census activities through using modern tools	- Prepare programs and plans of Census implementation on	- Review and evaluate
*	Support Census activities through databases field	different financial, technical and administrative tasks and	financial, technical and human needs and
*	Organize mobilizing workshops to support Census by donor community	complete organizational and legal requirements and identify needs in thoroughly into budget and work plan	support Census activities
*	Media campaign and data dissemination		
*	Miscellaneous preparations		
*	Technical Consultancy		

Risk Management Unit of Census 2014

Census management is very keen to follow UNSD recommendations through founding a potential risks management as this is the first time in Yemeni censuses, it will be functioned by studying potential risks politically, economically, socially and natural catastrophes and all other risks.

Risk Management Unit During Census 2014

- -Monitor office and field work and study different issues.
- Implement diverse office work of preparation.
- Conduct two piloting at governorate level.
- Demarcating for secondary and key cities and large villages.
- listing and numbering for housing, buildings, households and establishments.
- All mentioned above stages will be before final enumeration stage of population.

Risk Management Unit During Census 2014

- Forming central operation room on a highest level also in governorates.
- Forming key committees at governorates chaired by governors and high officials.
- Forming sub-committees at districts chaired by directors of districts and high officials at districts.
- Implement surveys such as HBS/LFS/Economic surveys prior to Census will ensure measuring different issues at this time.
- The supreme/technical committee members will participate effectively during all field work stages.
- Coordinate between CSO and various public institutions to mainstream different capacities to Census activities.
- Various means of transport will be utilized like helicopters to reach to difficult areas such as islands and remote areas.
- Mosques preachers, guidance and awareness centers, local municipalities, seminars and roundtables instructional discussion.

Timeline & Work Plan Of Census 2014

Introduction:

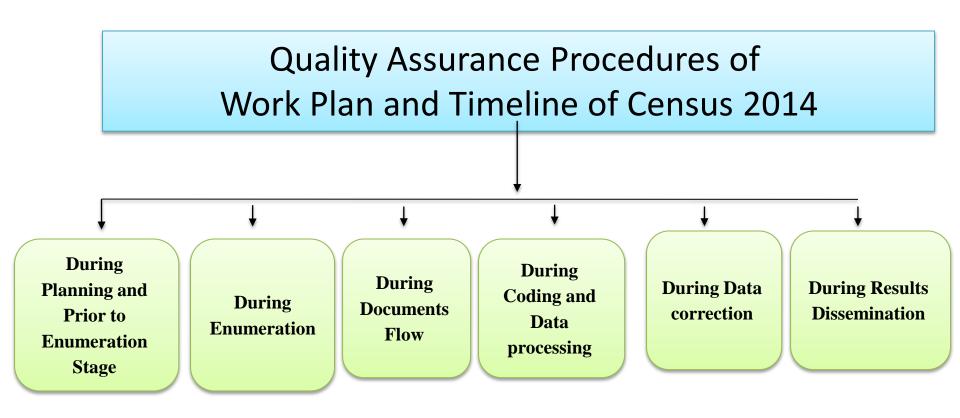
Work Plan of Census 2014 covered all activities required to conduct different stages in the field and office work aimed to achieve planned objectives and determine timeline plan reflected through breakdown program. Work plan considered various technical and financial operations and expressed different activities as a preliminary proposal for any implemented developments on ground, this would help in reviewing continuously work plan and timeline to be updated accordingly.

			<u>Time Period</u>		
				<u>From</u>	<u>To</u>
1			First: Planning Stage	2012/1/1	2012/6/31
	1		Prepare Census 2014 Document	2012/1	2012/6
		1	Legal frame of Census 2014	2012/1	2012/6
		2	Conceptional frame of Census 2014	2012/1	2012/6
		3	Methodology and documents assessment of Census 2004 and lessons learnt	2012/1	2012/6
		4	Set up time frame and work plan of Census 2014 (methodology of Census 2014)	2012/1	2012/6
		5	Produce population projections for Census 2014 at adm. And census divisions level	2012/1	2012/6
		6	Estimate work load of Census (EAs / Sections / Sectors) and staff required for Census 2014 (population projections methodology of Census)	2012/1	2012/6
		7	Preliminary estimation of technical fiscal and human needs for Census 2014	2012/1	2012/6
		8	Set up a detailed and breakdown general budget by funding agency and activities	2012/1	2012/6
		9	Set up a draft of Census 2014 document	2012/1	2012/6

2		Second: Preparation Stage	1/7/2012	31/3/2014
	1	Complete Census 2004 assessment (analytical)	2012/7	2012/12
	2	Review and finalize project document of Census 2014 and adopt it to be disseminated	2012/7	2012/12
	3	Organizational and management tasks	1/7/2012	31/1/2013
	4	Prepare documents	1/9/2012	31/12/2012
	5	Prepare frames and maps	1/9/2012	14/2/2014
	6	Set up lists of fiscal needs	2012/6/1	2012/12/31
	7	Select staff of office and field work	2012/7/1	2012/12/31
	8	Set up media campaign programs and plan, advocate and mobilize for Census 2014 (first stage)	2012/7/1	2012/12/31
	9	Design preliminary office and automated programs for Census	2012/7/1	2013/1/31
	1 0	Conduct first piloting (comprehensive)	2013/1/1	2013/6/12
	1	Planning to conduct piloting (minor Census)	2013/1/1	2014/3/31
	1	¹ Finalize planning and preparation work	2013/1/1	2013/11/20
	·	² Implement minor Census (piloting)	21/11/2013	2/1/2014
		3 Data processing	27/12/2013	31/3/2014

		Third: Field Work stage	2013/9/1	2015/1/12
		3-1 Demarcating stage	2013/9/1	2014/2/19
	1	Finalizing office work	2013/9/1	2013/9/13
	2	Conduct second media campaign of Census (demarcating stage)	2013/9/1	2013/12/27
	3	Field work	2013/9/2	2013/12/27
	4	Office work and data processing	2013/12/9	2014/1/31
	5	Prepare evaluation report (fiscal and technical)	2014/1/1	2014/2/19
		3-2 Listing and Numbering Stage	2014/1/15	2015/7/15
	1	Finalizing office work	2014/1/15	2014/2/23
	2	Conduct second media campaign of Census (listing and numbering stage)	2013/12/28	2014/6/10
	3	Field work	2014/2/24	2014/6/4
3	4	Office work and data processing	2014 /6/5	2015/7/31
3	5	Disseminate, advocate and publish Housing and Establishments Census results	2015/3/20	2015/6/15
	6	Prepare evaluation report (fiscal and technical)	2015/6/16	2015/7/15
		3-3 Enumeration Stage	2014/8/1	2015/2/28
	1	Finalizing office work	2014/8/1	2014/10/31
	2	Conduct third media campaign of Census (Enumeration stage)	2014/9/20	2015/1/31
	3	Field work	2014/10/19	2015/1/11
	4	Prepare evaluation report (fiscal and technical)	2015/2/1	2015/2/28
		3-4 Post-enumeration Survey	2014/8/1	2015/2/17
	1	Finalizing office work	2014/8/1	2014/12/26
	2	Training and Field work	2014/12/27	2015/1/14
	3	Prepare post-enumeration survey findings	2015/1/15	2015/2/17
	4	Demonstrate preliminary results of Census	2015/1/15	2015/3/15
		Fourth: (Data Processing)	2015/2/11	2016/12/31
	1	Office work and data processing for frames and maps out of enumeration stage results	2015/2/11	2015/8/1
4	2	Prepare office work and automated process for enumerating population (data processing	2015/1/1	2015/1/31
T	3	Office work and automated process for enumeration stage	2015/2/1	2016/12/31

E	-	:£16. F	Niconalization and Bublishing Course Desults (First Dhass)		
5	F	ITTN: L	Disseminating and Publishing Census Results (First Phase)	2016 /3 /1	2016 /12 /31
	1	Disse	eminate and publish Census results	2016/ 3 /1	2017/ 6/ 30
		1	Printing final results of Census	2016/ 3 /1	2016 /7/ 31
		2 Printing in-depth studies		2016/ 10 /1	2017/ 2 /1
		3	Organize mobilized workshops and seminars for Census results		2016/ 12 /31
		4	Publish and circulate results to data users		
6	S	ixth: l	Jpdate Population Settlements and New Establishments Out of Census Results	2016/ 10 /15	2018/ 1/ 31
	1	Offic	e work	2016/ 10/ 15	2016/ 12 /14
	2	Field	work	2016/ 12 /15	2017/ 2 /5
	3	Data	Processing	2017/ 1/ 15	2018/ 1/ 31
	4	Prod	uce electronic atlases out of Census results	2017/ 7 /1	2018/ 1/ 31
7	S	event	h: Produce In-depth Studies Out of Census Results	2018/ 1 /1	2018/ 4/ 30
	1	Prep	are in-depth studies	2018/ 1/ 1	2018/ 3/ 1
	2	Orga	nize mobilized workshops	2018/ 3 /2	2018/ 3 /31
	3	Print	ing studies and statistical reports	2018/ 4 /1	2018/ 4/ 30
8	Ε	ighth:	Fiscal reconciliation, Final fiscal statements and Evaluation Reports	2012/ 10 /1	2018/ 4 /30



Quality Assurance Mechanisms:

Technical, fiscal and adm. Program was set up to improve data of Census as represented in the following table:

S	Stage		Technical, Fiscal and Adm. Controls
		1	Re-assure of quality control followed during Census 204 and lessons learnt in planning
		2	Prior identification of work load of all stages
		3	Prior identification of timeline of implementation
		4	Prior determination of staff number and supporting tools
		5	Prior determination of staff remuneration during field and office work
		6	Prior determination to include contingencies to encounter any unexpected development
		7	Flexibility in designing budgets and plans to accommodate any development
1	Planning Stage	8	Set up financial and technical forms and documents beside lists of staff names and disbursement timing
		9	Set up appropriate instructions to conduct financial and technical procedures of office and field work
		10	Elaborate and activate monitoring and supervision of field work (tech. and fin.) at different stages
		11	Establish finance units at Gov. to mainstream Census procedures
		12	Central financial reconciliation of finance and at Gov.
		13	Interim follow up and evaluation
		14	Prior determination of field and office comm. tasks and duties beside standards and conditions staff selection
		15	Accounting on piloting results to specify best ways for later stages

Quality Assurance Mechanisms:

S	Stage		Technical, Fiscal and Adm. Controls							
		1	Prepare frames, EAs maps, lists of HHs and work load							
2	Prior to Enumeration-	2	Set up crite	Set up criteria for staff selection, train them, carrying out tests for final selection						
	Stage	3	Technical a	and field supervision						
		4	Split over a	all stages and take advantages of each stage to implement later one						
		1	Monitor fie	eld operations and assess field workers consecutively						
		2	Field visits	Interview household						
		2	Fleid visits	Evaluate performance of field workers						
		2	Form up ce	entral operation control room at HQ and at Gov. and assign technical team to						
3	Enumeratio	3	respond to	all enquiries received from field						
3	n Stage		Prepare pro	ogress reports of office and field work including financial and technical						
		4	issues							
		5	Draw samp	oles of enumeration questionnaires to reviewed and assessed						
		6	Central ver	rification and review						
		7	Prepare tec	chnical and financial reconciliation at Gov. level and HQ						

Quality Assurance Mechanisms:

S	Stage		Technical, Fiscal and Adm. Controls								
		1	Technical review for documents based on adopted consistency standards								
		2	Prior evaluation for performance								
		3	Set up rules for manual and computerized review and coding								
		4	Set up consistency rules and verify contents and coverage								
		5	Computerized coding for economic activity								
		6	Computerized and manual data editing and correcting								
	After	7	Assess staff performance and count mistakes, then take necessary action consequently								
4	Enumer ation	8	Design accounting systems to conduct finance operations								
	Stage	9	Determine specific system to circulate, preserve, flow and recall documents during different parts of Census								
		10	Prior determination of computerized and office work load at adm. Divisions level								
		11	Assessment reports of achievement progress								
		12	Compare preliminary results of Census with listing results, beside population estimation with previous Census to recognize conformity level of statistical indicators								
		13	Conduct Surveys after Enumeration Stage								

Produce Maps for Census 2014

CSO will account on a comprehensive satellite images covering the whole country for the first time to assure quality of Census implementation while making Census divisions at urban and rural; networking connection achieved between CSO and Remote Censor Center which will provide satellite images of the Republic of Yemen on which that will produce a high quality and accuracy of maps for Census divisions, which will ensure good planning through the adopted timeline beside its impact to estimate costs rightfully for Census activities.

Produce Maps for Census 2014

Utilize GIS technology progress which used during 2004 and will be used during Census 2014 through following steps:

- ✓ Rehabilitate and update infrastructure of GIS and updated versions of concerned programs (version 10)
- ✓ Train concerned cadre at modern programs and databases management beside spatial analysis
- ✓ Use satellite images / digital map from the Remote Censor Center
- ✓ Update frames and combining them within databases
- ✓ Divide Enumeration Areas
- ✓ Expose results on Maps

Importance and Role of Maps in General Represent In

Ensuring a comprehen sive coverage of geographic al areas

Identify
geographic
areas of work
so each field
worker
recognize well
his area

Separate work
components of
each field
worker (avoid
intervention or
duplication)

Contribute in separate urban components from rural ones

Contribute
greatly in
collecting
data
accurately
and facilitate
field worker

Provide more
details about
each area and
distributing
Census data by
geographic
levels

geographic al areas worker recognize well his area

worker (avoid intervention or duplication)

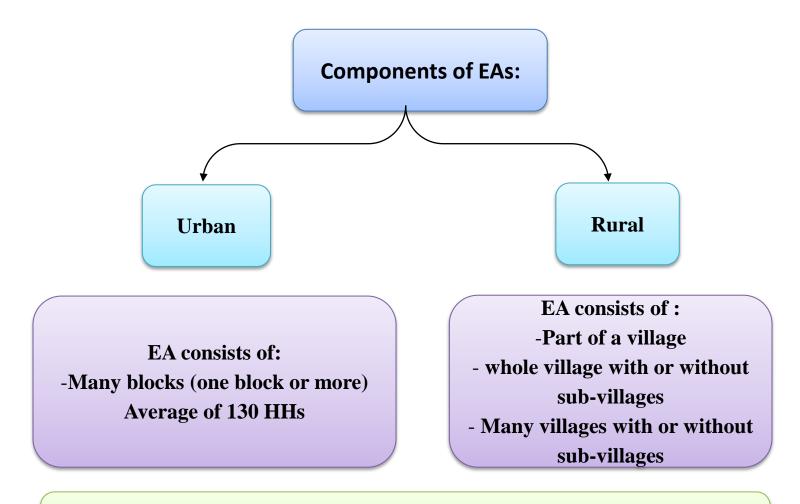
rom rural ones accurately and facilitate field worker

Gensus data by geographic levels

•Division of EAs Through Using GIS

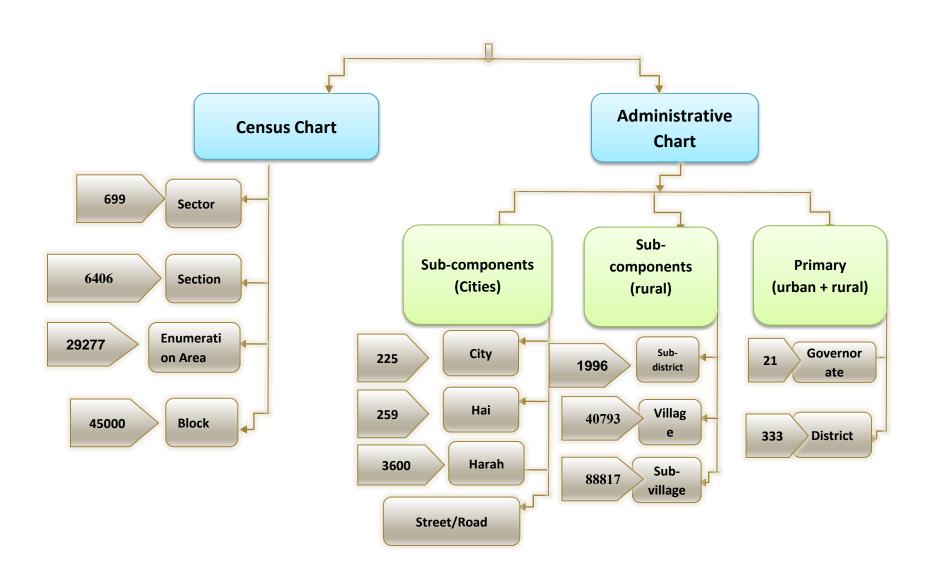
	Methodology	Remarks				
1	Maintain outstanding adm. divisions					
2	Division will be based on (HHs no. and area size)					
3	Independency – no intervention	D: : : 1: .				
4	Coverage – all country	Division according to				
5	Identify boundaries and components of EAs (facilitate recognizing on ground)	population projectionReview EAs through				
6	Convenience of EAs size to ensure better implementation of work and quality assurance	listing and numbering stage results				
7	Compatibility with previous Censuses for comparison					

EAs Components:

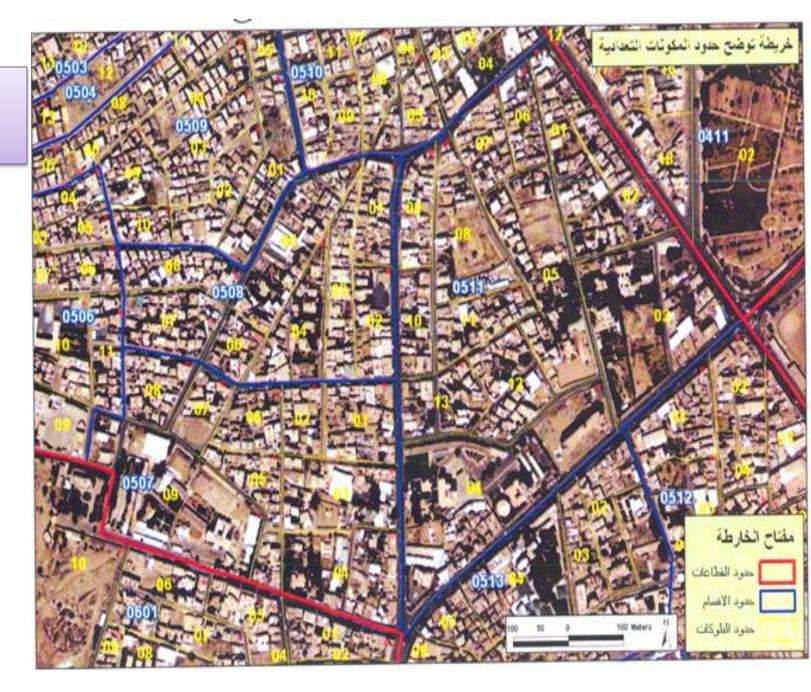


EA shouldn't be located between urban and rural area at the same time

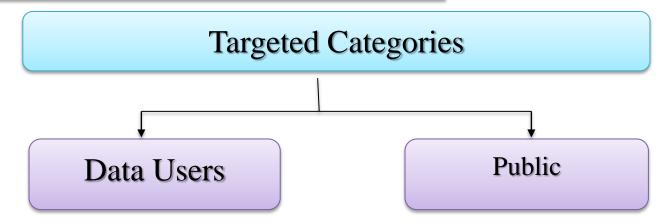
Administrative and Census Chart in the Republic of Yemen



•Maps : Satellite Map

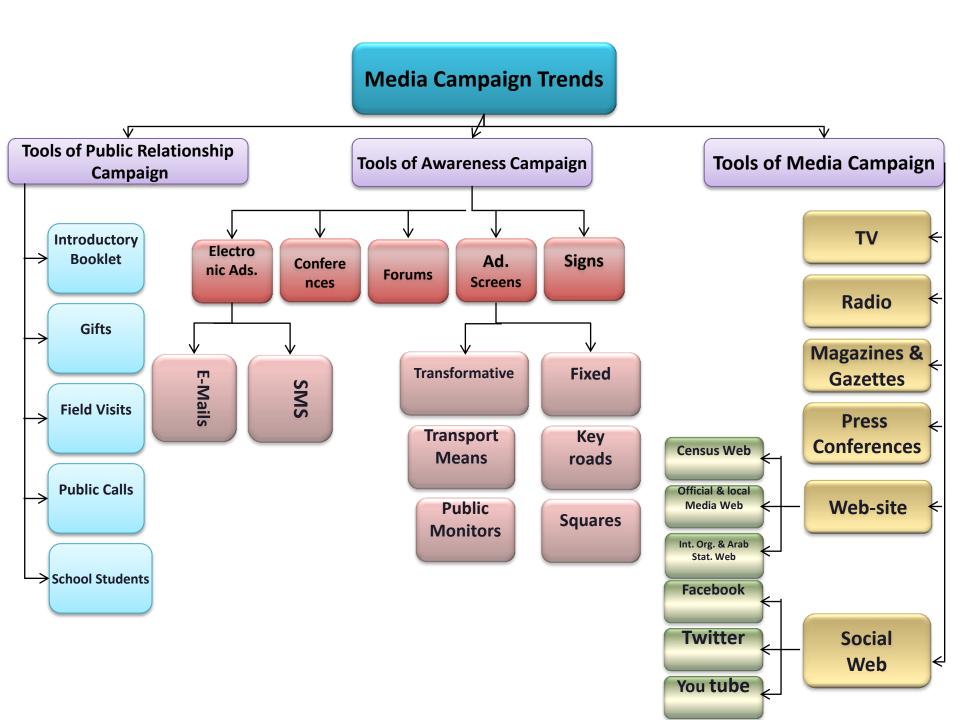


Media Campaign:

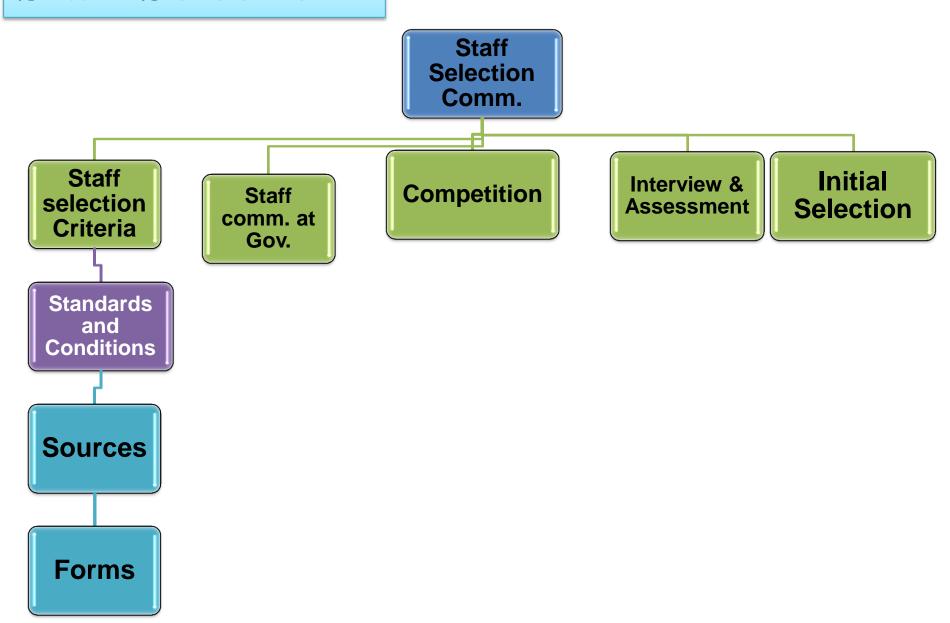


Through a concrete awareness campaign on census importance and objectives and to ensure every body collaboration and objective programs which lead to successful media campaign through: increase awareness of general concept of census benefits which will bring back to individual and society enhance trust between people and public institutions

✓ Integrated strategy of media campaign set up through different field stages and office work to enhance awareness of individual which lead to a successful achievement.



Staff Selection:



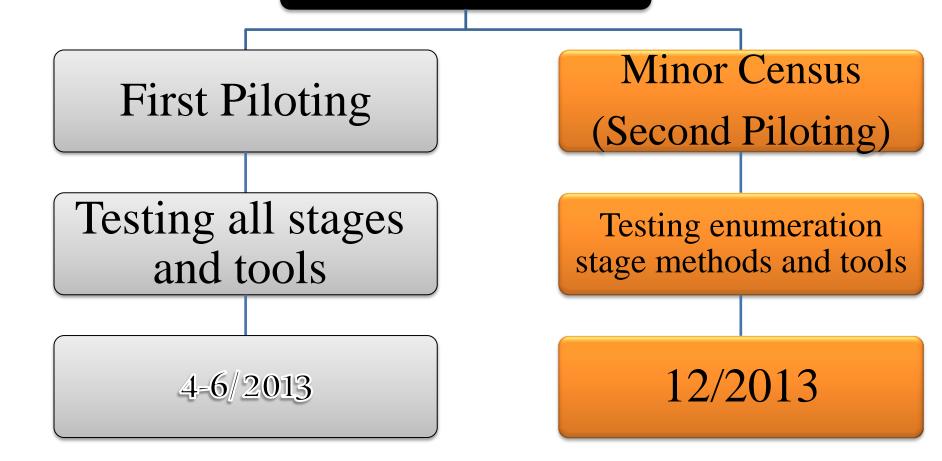
Matrix of Stat-Cap Census 2014

	Internal Training		Abroad Training
1	GIS training	1	Application of electronic publication
2	Modern methods and approaches for Census implementation	2	Using (oracle) databases and programs and Scanning device
3	Using updated programs and versions	3	Data assessment and manage odd values
4	Quality assurance and control of data	4	Data analysis
5	Databases and using modern technologies	5	Geographic data analysis
6	Data assessment	6	GIS
7	Data analysis	7	Sampling methods
8	Sampling	8	Follow up and monitor field work and quality control at Statistical Units
9	Data collection	9	Establish communication networking
10	Design interactive show programs for indicators monitored on maps and diagrams	10	Practice Oracle Application
11	English language	11	Design Atlases and Interactive Maps
12	MS Applications	12	Data security and reserve

1	S	S	Activity							
				Technical Support						
]	1	1 Using modern technologies in Censuses							
			2	Review and update Census questionnaires						
			3	Data assessment and Post-enumeration survey						
			4	Data analysis						
			5	Odd values, controls and quality assurance						
			6 Data publication and use							
S	tudy	/ Vis	sits							
1		Gulf	Countries							
2		Morc	occan Countries							
3		Egyp	ot							
4		Jorda								
5		Fore	ign Countries							

. . . .

Census Pre-testing



1- DEMARCATING STAGE

Determine timeline

Determine Staff groups

Determine practiced tools

Select and train staff

Determine targeted areas

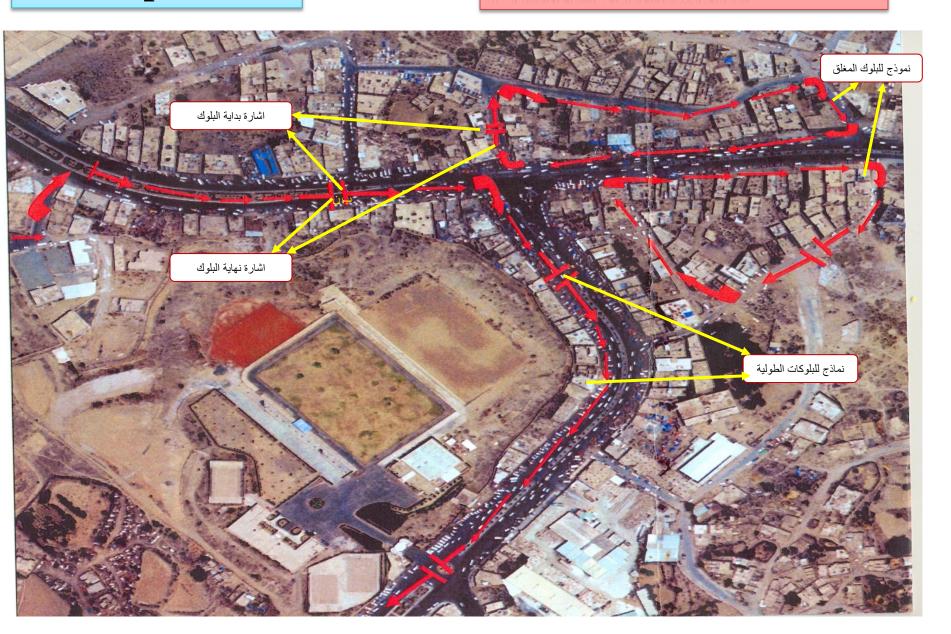
Demarcating Cities

Sectors and sections demarcating

Blocks demarcating

Extracting results

1- DEMARCATING STAGE



2- Housing, Establishments, Buildings and Households Listing

& Numbering

Determine timeline

Determine Staff groups

Determine practiced tools

Select and train staff

Coverage of targeted areas

Establishments and buildings numbering

Housing, establishments, buildings and households listing

Fiscal reconciliation of stage

Prepare frames and maps for enumeration stage

This table shows Census work load al Gov. level (actual 2004 – estimation Census 2014)

			Work load Population in						·····	Census	Divisions				
		:		sands)	Househo	olds No.		:	ors No.		ns No.		s No.	Block	
.	s	Gov.	2004	2014	2004	2014	Districts	2004	2014	2004	2014	2004	2014	2004	2014
.	1	Ibb	2132	2685	305252	409,251	20	59	74	583	729	2425	3,172		
.	2	Abyan	434	539	58833	78,842	11	14	18	104	131	462	633		
	3	Sana'a City	1748	2851	254866	339,260	10	45	52	477	554	1678	2,756		
١.	4	Al-Baida	577	721	67572	90,577	20	13	16	130	162	532	753		
.	5	Taiz	2393	3013	367732	492,883	23	68	86	669	850	2906	3,792		
.	6	Al-Jawf	444	557	59028	79,159	12	8	11	92	129	356	610		
.	7	Hajja	1480	1979	194972	261,398	31	37	46	367	453	1635	2,084		
.	8	Al-Hodeidah	2157	2945	349309	467,980	26	. 66	86	622	812	2676	3,892		
	9	Hadhramout	1029	1380	124809	167,007	30	31	33	280	300	972	1,375		
.	10	Dhamar	1330	1777	187765	251,760	12	42	54	349	448	1598	1,941	œ	9
.	11	Shabwah	470	598	53065	71,044	17	17	18	122	129	473	564	23358	45000
	12	Sa'ada	695	985	85477	114,473	15	20	25	160	197	697	883		
١.	13	Sana'a gov.	919	1106	117452	157,501	16	30	35	237	277	942	1,240		
١.	14	Aden	589	843	90667	121,284	8	17	20	170	199	633	967		
.	15	Lahj	723	926	105013	140,662	15	21	26	199	248	822	1,104		
1.	16	Mareb	238	308	28028	37,555	14	9	12	52	69	237	308		
	17	Al-Mahweet	495	649	69113	92,652	9	14	17	127	151	566	720		
	18	Al-Mahra	89	134	13933	18,675	9	6	7	36	40	116	159		
	. 19	Amran	878	1023	106732	142,982	20	27	32	215	255	905	1,120		
	20	Al-Dhale	471	660	59894	80,275	9	13	16	115	141	471	619		
.	21	Raima	394	526	56321	75,518	6	13	15	116	132	485	585		
_ <u>L</u>	Total o	of Republic	19.685	26,205	2,755,833	3,690,738	333	570	699	5,222	6,406	21,587	29,277		

3- Enumeration Stage

Determine timeline

Determine Staff groups

Determine practiced tools

Select and train staff

Review and update field frame

Counting population and housing

Handing over and recalling back documents from field teams

Review and edit questionnaires

Financial reconciliation

Post-enumeration Survey:

Definition

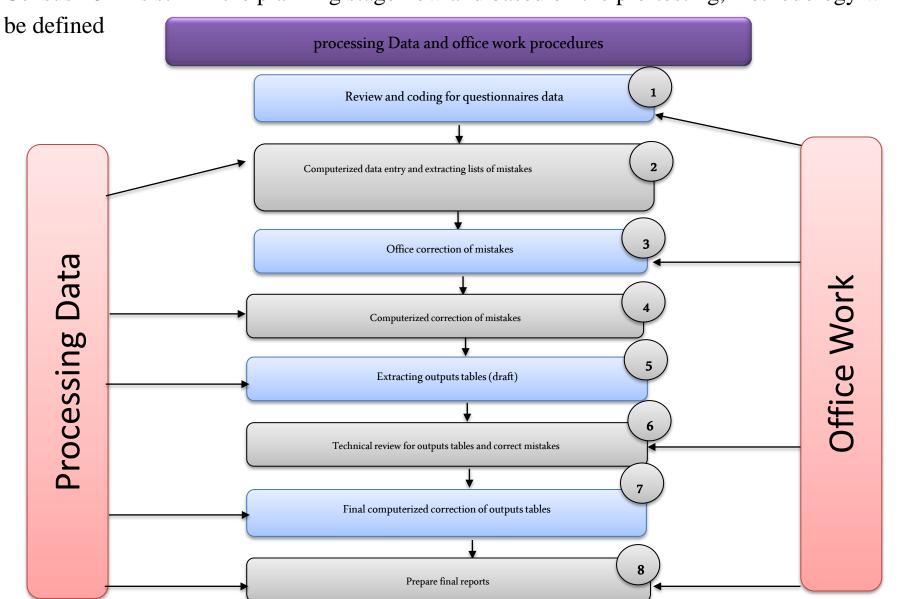
It is a field study conducting a random sampling of selected EAs after short time of Census implementation.

Post-enumeration survey is the sole and trustworthy way to measure a coverage level of HHs and individuals through demographic characteristics and overall the country, and also measuring contents errors for some demographic characteristics

Extracting Preliminary Results of Census 2014

Processing Data Stage

Census 2014 is still in the planning stage now and based on the pre-testing, methodology will



Proposed modern tools to implement Census 2014

Merge listing questionnaires of housing, buildings and households with establishments questionnaire into one questionnaire

Merge long and short questionnaire into one record taking advantages of other States experiences

Methodologies and Planning

Conduct two piloting to experience various ways and tools for actual implementation

Set up earlier strategy concerning dissemination and publication of Census data with a consultation of data users

Found Risks Management Unit

GIS used during 2004 and planned to use GIS (ARC GIS.10) beside digital images for planning and field tasks and for Census 2014 data show

Modern

Tools and

Technologie

S

Using Scanning device for questionnaires data entry during conduct a piloting in both traditional and modern ways

Computerized coding for economic activities based on ISIC manual

Rehabilitate GIS staff for using modern systems

Databases management and uses of modern tools and technologies

Data analysis, evaluation and instant applications

Data dissemination and media campaign

Cost Estimate Summary of Census 2014

Census 2014 Costs

Census 2014 Costs Aspects

- 1- Previous costs and current values.
- 2-Population Growth
- 3- Costs of Managing some concerns of previous Censuses
- of similar Costs projects implementation at CSO or other entities
- 5- Using modern tools and technologies
- 6- Assessment of previous situation and implementation of all stages current infrastructure.

- 7- Logistical support
- 8- Economic Changes
- Latest developments of States experiences.
- 10- Typical periods for planning and

Table shows Comparison between 2004 & 2014 Censuses

		Item	Actual 2004	Estimation 2014
		Work Load		
	1	Population Size	19,685,161	26,204,000
	2	HHs No.	2,755,833	3,690,738
	3	Housing and Buildings No.	2,834,437	3,712,346
1	4	Establishments No.	587,310	979,860
1	5	Population Settlements No.	132,000	133,000
	6	Blocks No.	23,358	45,000
	7	EAs No.	21,587	29,277
	8	Sections No.	5,222	6,406
	9	Sectors No.	570	699
		Staff No. BY their Groups		
	1	Supervisor	22	22
	2	Supervisor assistant	44	50
	3	Assistant	647	724
2	4	Registrar / Team leader	5016	6500
	5	Enumerator / Interviewer	21653	29500
	6	Reserve	2984	1920

Total Cost Estimate:

Total of cost estimate of Census during 2012-2018 is about 14.305.349.735 Y.R (local currency) equal to USD \$ 66.536.510 supported through local and foreign contribution.

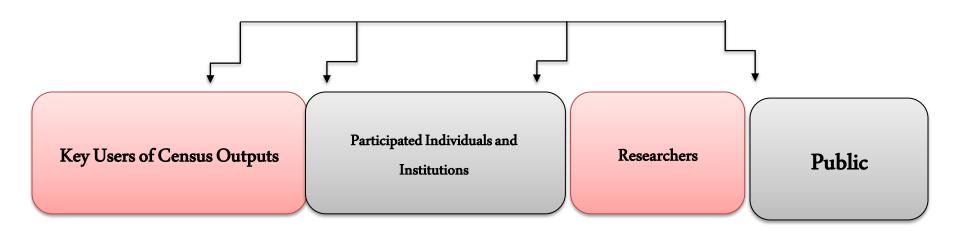
- Gov. share of 12.413.273.960 Y.R equal to USD \$ 57.736.158 as of 78% out of total budget.
- Foreign share of 1.892.075.775 Y.R equal to USD \$ 8.800.352 as of 13% out of total budget of Census.
- Cost average of HHs amounts of USD \$18 equals to 3870 Y.R.
- Cost average of individual amounts of USD \$2.5 equals to 538 Y.R.
- Average in the world costs at USD \$4.60 per individual.
- The UNFPA contributed in preparing some activities of Planning stage during 2012.
- The following is a summary of budget:

<u>Expected Funding Contribution of Consus 2014 by Funding Agency:</u>

		Funding Agency		
	Activity	Local	Foreign	Share
1	Central management of Census remuneration	7093390	0	10.7
2	Training remuneration	6319453	0	9.5
3	Field work allowances	36862468	0	55.4
4	Office work allowances	2102658	0	3.2
5	Data processing allowances	2391147	0	3.6
6	Planning and implementation remuneration for providing fiscal needs and reconciliation	156071.2	0	0.2
7	Media campaign	0	1358781	2.0
8	Printings, appliances and tools	2077807	0	3.1
9	Raise capacity building	0	1503721	2.3
10	Workshops, seminars and dissemination	0	451726.9	0.7
11	Equipment and materials	0	5032356	7.6
12	Produce intellectual, and qualitative materials	0	123255.8	0.2
13	Prepare studies	0	206976.7	0.3
14	Manage interventions between population settlements at governorates and boundaries interventions	0	73538.88	0.1
15	Prepare Census document through agreement with UNFPA and equip the Coordination Unit of Census 2014	0	50000	0.1
16	Other operational Costs (maintenance, spare parts/fuel/electricity/repair/etc)	733163	0	1.1
	Total Share	About (USD %87	\$66536510) %13	100

Dissemination and Publication of Census 2014 Data:

- To ensure investing Census results into analysis, in-depth studies comm. formed for the first time at CSO aimed at producing analytical studies of Census data, a proposal of twenty eight subjects of statistical studies submitted and will include major parts of outputs.
- A proposal of data dissemination and publication strategy submitted for facilitating availability of Census data smoothly and timely to all data users.



Reports, Final and Preliminary Results of Census 2014

Activity		Outputs	Timeline			Ways of
			Adoption	Release	Publish	Dissemination
1	Final results of buildings, housing and HHs listing (buildings Census)	Key report at the Republic level	Oct. 2014 – Mar. 2015	May. – June 2015	June 2015	Hard Copy + Soft Copy + CSO Website
2	Final results of establishments listing (establishments census)	Key report at the Republic level Detailed frame of establishments at Gov.	Oct. 2014 – Mar. 2015	May. – June 2015	June 2015	Hard Copy + Soft Copy + CSO Website
3	Report of preliminary results at administrative divisions level	 Report of preliminary results at the Republic level Report of preliminary results at Gov. level 	Jan. – Feb. 2015	Feb. – Mar. 2015	Mar. 2015	Hard Copy + Soft Copy + CSO Website
4	First key report of Census 2014	 Report of first key report of Census 2014 at adm. Divisions level, Republic Total First key report at Gov level 	Nov. – Dec. 2015	Jan. – Feb. 2016	Mar. 2016	Hard Copy + Soft Copy + CSO Website
5	Second key report on demography characteristics	 Second report on demographic characteristics at Republic level 	Dec. 2015 – Jan. 2016	Feb. – Mar. 2016	Apr. 2016	Hard Copy + Soft Copy + CSO Website
6	Third report Economic characteristics	 Third report of Census on economic characteristics at Republic level (sample) 	Mar. – Apr. 2016	May – June 2016	July 2016	Hard Copy + Soft Copy + CSO Website

<u>In-depth Studies:</u>

Proposed Study		Timeline			
		2014-2015	2016	201 8	
1	Establishments characteristics	Oct. 2014 – Mar. 2015			
2	Buildings characteristics	Oct. 2014 – Mar. 2015			
3	Housing characteristics		July – Dec. 2016		
4	Households characteristics		July – Dec. 2016		
5	Economic characteristics of population		July – Dec. 2016		
6	Analytical study on educational characteristics		July – Dec. 2016		
7	Durable goods and commodities		July – Dec. 2016		
8	IT and telecommunication		July – Dec. 2016		
9	Analytical study on power		July – Dec. 2016		
10	Analytical study on Yemen situation of water		July – Dec. 2016		
11	Key estimation on poverty map through poor population characteristics at Gov./districts level and urban and rural level		July – Dec. 2016		
12	Population projections at Republic / Gov. / districts level		July – Dec. 2016		

<u>In-depth Studies:</u>

Proposed Study		Timeline			
		2014-2015	2016	2018	
13	Assessment of age-sex distribution data		July – Dec. 2016		
14	Expectation of economic and social future		July – Dec. 2016		
	situation in Yemen				
15	Marginalized groups characteristics		July – Dec. 2016		
16	Fertility in Yemen (patterns and trends)			Jan. – Apr. 2018	
17	Adults mortality and life tables composition			Jan. – Apr. 2018	
18	Mortality trends in Yemen			Jan. – Apr. 2018	
19	Baby breast-feeding mortality			Jan. – Apr. 2018	
20	Maternal mortality			Jan. – Apr. 2018	
21	Environmental characteristics at Republic of			Jan. – Apr. 2018	
	Yemen based on population activities and				
	uses				
22	Internal migration in Yemen			Jan. – Apr. 2018	
23	Urbanization and cities growth in Yemen			Jan. – Apr. 2018	
24	Key Cities in Yemen (40 City)			Jan. – Apr. 2018	
25	Yemeni Islands			Jan. – Apr. 2018	
26	Nomads in Yemen			Jan. – Apr. 2018	
27	Child labor in Yemen			Jan. – Apr. 2018	
28	Unemployment trends in Yemen			Jan. – Apr. 2018	

Qualitative Reports:

Electronic Atlases & Maps:

- ✓ Link Census data to maps and geographic database gradually during 2016-2018
- ✓ Produce electronic atlases at the Republic and Gov. during 2016-2018
- ✓ Key maps (administrative divisions) during 2016-2017-2018

Workshops and Seminars:

-	Central - HQ	Planned
1	Workshop on Census objectives and importance	2013
2	Workshop on Countries Practices in Censuses (2010 Round)	2013
3	Workshop on Private sector Role	2013
4	Workshop on the Role of Governmental Institutions for making Census Successful	2013
5	Workshop on activating Media role to introduce Census Importance and Awareness	2013
6	Workshop on Women Role in Census	2013
7	National Conference to launch Census Work	2014
8	Workshop on Mobilizing Resources With Support of Donor	2013
9	Announcement of Preliminary Results	2015
10	Workshop for Disseminating Census Results	2015-2016
11	Workshop on Census Results Aimed to Prepare Social, Economic and Demographic Studies	2015-2016
-	Governorates	
1	Workshop on Local Municipalities Role in Census	2014
2	Planning Committee to disseminate Census 2014 Results	2015-2016

Thank you